Author Index

Volume 105, January-June 2002

Ambrose JA, 2000

Amemiya H, 2998

Amiri F, 2296 Amirie S, 2493

Amrein C, 1949

Aaltola EM, 2524 Aarnoudse W, 2482 Abassi Z, 236 Abbas A, 304 Abben R. 1615 Abe K, 2986 Abouhamze Z, 1639 Abraham JA, 759 Abraham TP, 1403 Abraham WT, 1348 Abramson JL, 1176 Abramsson A, 112 Accurso V, 2462 Achenbach S, e42 Adam A, 2549 Adamopoulos C, 1202 Adamson DL, 2497 Addicks K, 2435 Ader J-L, 627 Ades PA, 564, 1735 Adir Y, 497 Aebischer CP, 1635 Afek A, 2416 Agabiti-Rosei E, 1700 Agalakova NI, 1122 Aggarwal A, 1031 Agmon Y, 27, e48 Agrawal R, 602 Ahlbory K, 2083 Ai T, 2592 Aiello LP, 373 Aikawa M, 753, 1396 Air Force/Texas Coronary Atherosclerosis Prevention Study (AFCAPS/TexCAPS) Investigators, 1776 Aiyar N, 2429 Akagi T, 3004 Akar FG, 1247 Akasaka T, 2950 Akintuerk H, 1099 Akishita M, 2404 Akita H, e30 Akiyama T, 2049 Akkerhuis KM, 554 Aklog L, 1416 Ako J. 2404 Alam S, 2166 Alberta Provincial Project for Outcomes Assessment in Coronary Heart Disease (APPROACH) Investigators, 2378 Albiero R, 550, 1883 Alderman EL, 1914 Alexander JH, 554 Aliot E, 726 Alitalo K, 2524 Allard MF, 140 Allen HD, 2318 Allen M, 2600 Allessie M, 3053 Almquist AK, 2229

Altwegg L, 1635 Alves VL, 2849

Amar S, 861

Amankwah KS, 2179

Ander A. 1989 Anderson CL, 2830 Anderson ME, 770 Anderson TJ, 546, 2981 Ando K, 106 Andreka P, 2429 Andrews ML, 794 Andrikopoulos GK, e55 Andronache M, 726 Angeja BG. 282 Angelilli A, 707 Angelini A, 1254 Angelini P, 2449, e182 Angiolillo DJ, 800 Anker SD, 2619 Annex BH, 788 Anson BD, 2830 Ansorge S, 720 Antman EM, 1642, 1760 Anttonen O, 1555 Antz M, 462, 1453, 1934 Antzelevitch C, 73, 1247 Aoki M, 1233, 1491 Aoyagi S, 2288 Aoyama T, 490 Applegate WB, 457 Arad Y, 1791 Arai M, 2487 Arai T, 149 Arakawa K, 149 Aranki SF, e171 Araoz PA, 537 Arbique D, 1054 Arbuckle S, 2797 Arcaro G, 576 Archer SL, 244, 2398 Ardissino D, 928 Aretz HT, e120 Ariff B, 470 Arita Y, 2893 Armstrong PW, 322, 2385 Armstrong WF, 200 Arndt M, 720 Arnold G, 1459 ARTIST Investigators, 583 Arveiler D, 2247, 2943 Asada A, 1155 Asahara T, 732, 2012, 3017 Asai K. 614 Asakawa M, 1240 Asano H, 2885 Asfour A, 282 Ashai K, e127 Ashley EA, 3011 Ashrafian H, e44 Asimakis GK, 981 Asmar R, 1202 Assmann G, 310 AtheroGene Investigators, 15 Atkinson C, 1672 Auer JW, e64 Aufderheide T, 124 Aurigemma GP, e48, e189 AVID Investigators, 589, 2049 Avolio AP, 213 Avvedimento EV, 968 Aymong ED, 2981 Azzam ZS, 497 Baandrup U, e67 Baars HF, 1642 Baba S, 41 Babaev VR, 1816 Bachschmid M, 1635 Backx PH, 1850 Bader M, 360 Badimon JJ, 993, e177 Badiwala MV, 1890 Baek SH, 2779 Bagrov AY, 1122 Bahlmann FH, 3017 Baim DS, 1285, 2813 Bakris GL, 2458 Balady GJ, 1147 Ballantyne CM. e54 Ballinger SW, 849 Balser JR, 341 Balzano S, 576 Banning AP, 2588 Bänsch D, 1453, 1934 Barbato E. 2482 Barmada MM, 707 Barnard MR, e180 Barnathan ES, e74

Barouch WW, 2923 Barrett-Connor E, 902, 1311 Barrett E, e138 Barron HV, 282, 1909 Barsness GW, 2259 Barst RJ. 2318 Bartorelli A, 1887 Bartunek J, 286, 2482 Barzi F, 1897 Basaria S, 899 Bascands J-L, 627 Bassand J-P, 1642 Basta G, 816 Batista EL Jr, 861 Baudler S, 2423 Bauer F, 1602 Bauer J, 1099 Bauer M, 1034 Baughman KL, 1663 Baumann G, 483 Baumgarten G, 2192 Bauters C, 130 Bayat H, 1989 Bayer AS, 746, 2115

Barnett PG, 680

Bayer AS. 746, 2115
Bea F, 1976
Bean K, 1202
Bech GJW, 2482
Becker L, 1780
Becker LB, 2562
Becker RC, e159, 2385
Beckman E, 1348
Behr ER, e27
Belardinelli L, 118
Bell MR, 2259
Bella JN, 1071, 1928
Bellwon J, 143
Belohlavek M, 1403
Bendall JK, 293

Benedetto FA, 1354 Benetos A, 1202 Bengel FM, 162 Benhorin J. 794 Bennett D, 1348 Bennett PH, e132 Benowitz NL, 1592 Benson DW, 341 Beran G, 2355 Berent R. e64 Berg RA, 645 Berger J, 1453 Berger PB, 2259 Berger R, 2392 Bergeron J. 1904 Bergersenc L, e44 Bergman J, 2411 Berlin Ö, 112 Berman DS, 32, 823, 1791 Bernardi L, 143 Berne C, 2153 Bernhagen J, 1561 Bers DM, 2543 Bertrand M, 2347, 2730 Best PJ, 2259 Betoulle D, 2943 Betsholtz C, 112 Bettoni M, 2753 Bhakdi S, e64 Bhatt DL, 691 Bi X, 2139 Biaggioni I, 347, 1459, 2518 Biankin S, 2797 Biasucci LM, 800 Bickel C, 15 Bielak LF, e127 Biessen EAL, 2064 Bifulco M, 968 Bigazzi F, 11 Bigger JT Jr, e70 Bigonzi F, 1642 Bin J-P, 218 Binah O, 236 Binggeli C, 1399 Bionda A, 11 Birks EJ, 2324 Bishop SP, 614 Bishopric NH, 2429 Bittner V, 2253, 2962 Bizbiz L, 2638 Black S, 753 Blackshear PJ, 2192 Blackstad TW, e44

Blair SN, e144

Blanco-Vaca F, e129

Blankenberg S, 15

Bleecker ER, 1879

Blessing E, 1976 Bloch KD, 2911

Bloch W, 2435

Block AJ, 2955

Block M, 1453

Block PC, 1465

Bloise R, 1342

Blumrich M, e64

Boczor S. 1453

Boden WE, 680

Blumenthal RS, 2962

Block P, 1887

Bodenheimer MM, e127 Boerrigter G, 639 Boersma E, 554, 1573 Boersma L, 3053 Bohlen H, 2435 Böhm M, 1446, 2083, 2423 Bojic A, 2392 Bolger AF, 1592, 2115, 2318 Bolli R, 3046 Bomba E. 1897 Bonadonna RC, 576 Bonanno G, 1354 Bonanomi G, 1871 Bonchek LI, e198 Bonderman D, 265 Bonhoeffer P, 775 Bonneau HN, 2465 Bonomo L, 2005 Bonora E, 576 Bonow RO, 2231, e159, 2660 Boomsma F, 1548 Boquist S, e129 Borchardt D, 2493 Borer JS, 1837 Borges-Neto S, 32 Borggrefe M, 702 Borreguero LJJ, e177 Borst C, e174, e198 Borzak S, 282 Bosch J, e5, e82, e194 Boschmann M, 347 Bossone E, 200 Botnar RM, 908 Botto G, 2741 Bouchard C, 1904 Boudjemline Y, 775 Bouman LN, 880 Bourassa MG, 1049, 1914 Bourge R, 1348 Bousquet P, 1116 Bovill EG, 2385 Bowles CT, 2324 Bowling NL, 373 Boyce SW, e171 Bramwell O, 608 Brandes RP, 2030 Brass LM, 1082 Brater DC, 1348 Braun-Dullaeus R, 1686 Braunwald E, 1424, 1642, 1760, 1909, 2341 Bray EJ, 1639 Breiter D. 2043 Breithardt G, 702 Brem G, 2435 Brignole M, 2741 Briguori C, 1883 Brinker J. 1291 Brister S. e58 Bristow MR, 1797 Brodsky M, 2049 Brodsky S, 1037 Brook JR, 1534 Brook RD, 1534 Brooks MM, 1914, 2253 Brophy MT, 557 Brosnihan KB, 1879 Brouwer MA, 1270 Brovkovych V, 933 Brower GL, 1983 Brown BG, 168 Brown NJ, 304 Broze GJ, 2139

Bruban V, 1116

Bruch L. 2845

Bruckert E, 2469 Brugada J, 73, 3053 Brugada P, 73 Brugada R, 73 Brutsaert DL, 1387, 1503 Bryant MB, 452 Bryant SM, 3011 Bubien RS, 589 Budinger T, 2562 Budoff MJ, 1791 Buecker A, 874, 1772 Buettner Hans J, 583 Buettner Heinz J, 1412 Bui AB, 2037 Buja LM, 544, 3066 Bujo H, 1830 Buller HR, 1004 Buono C, 3025 Bureau J-M, 1202 Burger-Kentischer A, 1561 Burke AP, 297, 419, 2019, 2974 Burke E, 1214 Burleigh ME, 1816 Burmeister T. 2845 Burnand KG, 477 Burnett JC Jr, 639, 999 Burow DL, 849 Burstow DJ, 61 Buschmann IR, 1639 Buskens E, e174, e198 Busse R, 1104, 2030 Butany J, e58, 2332, 2549 Buttrick PM, e9 Byberg L, 2153 Byington RP, 2341 Bypass Angioplasty Revascularization Investigation (BARI) Investigators, 2253 Byrne BJ, 93 Byrne D, 304 Byrne JG, 1416 Byrne MJ, 258 Caballero E, e47 Cahill KS, 93 Calara FB, 1360

Calderone A, 2549 Califf RM, 322, 1914 Caligiuri G, e34 Callans DJ, 2704 Callister TQ, 1791 Camacho DH, 1317 Cambien F, 2943 Cameron JD, e56 Camici PG, 470 Camm AJ, e70 Campbell LA, e34, 1976 Campia U, 452 Campisi R, 425 Candigliota M, 968 Candy G, 830 Cannon CP, 1760, 1909 Cannon RO III, 1531 Canziani R, 928 Cappato R, 462 Cappola TP, 1663 Caputo M, 2005 Carabello BA, 1746, 2701 Carballo E, 2192 Cardillo C, 452 Carey BJ, e8 Carlino M, 1883 Carlson KM, 1824 Carlsson CM, e32 Carney RM, 1780

Carosella ED, 1949 Carpeggiani C, 186 Carpentier A, 1949 Carrell TWG, 477 Carrico J, 2562 Carroll JD, e48, e189 Carroll M, 3025 Casadei B, 3011 Casas JP, e10 Cascio W, e165 Casey SA, 2229, 2992 Castagna MT, 2037 Castro PL, 99 CAT Investigators, 1453 Cataliotti A, 639, 1354 Catarino PA, 2588 Catellier D, e54 Cavallini C, 928 Cave AC, 293 Cavlovich D, 707 Cavusoglu E, 2282 Cayla C, 360 Cecchi F, e188 Ceravolo R. 968 Cercek B, 1970 Cerqueira MD, 539 Chaddha M, 290 Chagraoui A, 1602 Chaisson G. 1615 Chait A, e138 Chaitman BR, 1147, 1735, 1914 Chambers CW, e128 Chan AW, 691 Chan FHY, 1472 Chancey AL, 1983 Channon KM, 1656 Chao J, 67 Chao L, 67 Chapman GB, 79 Charash WE, 923 Chatterjee K, 1304 Chau E, 438, 2746 Chaudhuri G, 425 Chekanov VS, e35 Chen C-J. 1804 Chen C-L, 1804 Chen E-L, 224 Chen HH, 639, 999 Chen H-J. e29 Chen I, 2282 Chen J-J, 1962 Chen Jian, 726 Chen Jiqiu, 2766 Chen Ju, 502 Chen S, 680 Chen S-A, 2679 Chen S-F, 1962 Chen T-H, e63 Chen Y-C, 2679 Chen Y-J, 2679 Chen Y-P, e63 Cheng TO, e47, e63, e190 Chesebro B, 1976 Chess L, 1609 Cheung M, 1693 Cheung W-M, 1962 Chevalier P. 1949 Chew DP, 691 Chiche J-D, 2911 Chieffo A, 1883 Chieffo C, 1897 Chien KR, 502 Chilian WM, 2185 Chimenti C, 2611 Chimonas ET, e55

Chmait A, 130 Choe S-C. 1278 Choi KJ, 2821 Chou E, 373 Chou T-F, 334 Chow AWC, 2172 Chow B, 680 Chow W-H, 2746 Chowienczyk PJ, 1323 Christiansen JP, 1764 Christopher TA, 1497 Chronos NA, 788 Chugh A, 1077 Cioffi M, 804 Citterio F, 800 Ciura S, 516 Clancy CE, 1208 Clarithromycin in Acute Coronary Syndrome Patients in Finland (CLARIFY) Study Group, 1555 Clark LT, e159 Clearfield M, 1776 Clements JM, 477 Clementy J, 2821 Clempus RE, 1429 Clermont AC, 373 Clopton P, 595 Cloutier DA, 2737 Coady SA, e54 Coats AJS, 2619 Cobb LA, 697 Cobbe SM, 2341 Cockeroft JR, 213 Cohen DJ, e55, 2347 Cohen EA, 2347 Cohen I, 823 Cohen JD, 1780 Cohen M, 2347 Cohn JN, 1797 Cohn JS, 2296 Cohn LH, e171 Cole TJ. 810 Collen D, 2911 Collins AJ, 1336 Collins P, e72 Colman JM, 2179 Colombo A, 550, 1883 Colquhoun D, 1162 Combination Hemotherapy and Mortality Prevention (CHAMP) Study Group, 557 Come CE, 3025 Commeau P. 583 Committee on Congenital Cardiac Defects of the American Heart Association Section on Cardiovascular Disease in the Young, 2318 Committee on Rheumatic Fever, Endocarditis, and Kawasaki Disease of the American Heart Association Council on Cardiovascular Disease in the Young, 2115 Connelly PW, 3025 Cook DJ, 1768, 1955 Cook JR, 589 Cook TJ, 1776 Cooke JP, 739, 2133 Cooklin M, 837 Cooley DA, 2808 Cooper JV, 200 Copass MK, 697

Chiou H-Y, 1804

Coromilas J. 2309 Corti R. 993, 1399, e177, 2817 Corvaja N. 1883 Cosentino F, 1756 Cosío FG, 276 Costa MA, 1573, 2932 Costello LC, 639 Cotecchia S, 1700 Courbon D, 2638 Craven T, 1424 Crawford J. 753 Cretti A. 576 Croft JB, e182 Croitoru M, 2855 Csako G. 1531 Csikari M. 759 Cuda G. 968 Culasso F, 944 Cullen P. 310 Cullen S. e1 Cummings N, 2012 Cuoco L, 2611 Curtis MJ, 2981 Cushman WC, 457 Cutlip DE, e55, 1285 Cutrupi S. 1354 Czerwenka W, 2646

D'Agostino RB, 48 Dahlöf B, 1071 Daida H, 912 Dajani AS, 2115 Dal Pino B, 11 Damiano RJ Jr. e51 D'Andrea F, 804 Danenberg HD, 2917 Dangas G, 2586 Daniel WG, 1420, e42 Dargie H. 1797 Dart AM, 810, e56 Dauerman H, 788 Dausset J, 1949 Davidson M, 917 Davies DW, 2172 Davies MJ, 939 Davis BR, 2341 Davis JW, 181 Dawes M. 1323 de Bakker JMT, 2442 De Bruvne B. 2482, 2950 De Caterina R, 816 de Champlain J. 387 de Chillou C, 726 de' Clari F, e183 de Faire U, e129 de Feyter PJ, 2367, e130, e185 de Gaetano G, 2836 de Graaf J, 2159 de Grooth GJ, 2159 de Jaegere PPT, e174, e179, e198 de Korte CL, 1627 de Lemos JA, 1760 De Luca R. 944 De Marco T, 1304 De Meyer GRY, 1596 De Nardis R. 1342 de Nigris F, 1360

De Oliveira NC, e51

Deanfield JE, e1, 2817

Dec GW, 904, e120

de Roos A, 328

Deak LR, e53

de Soria RF, e177

Deckelbaum LI, e74 Deedwania P. 1182, 1585 deGottardi A, e126 Deitcher SR, 457 del Monte F, 904 Delgado R, 2855 Delius W, 162 Della Bella P, 1342, 1887 Dell'Acqua G, 602, 1686 Delpón E, 276 Delves T, 1323 DeMaria A, 595 Demchuk AM, 1679 Demer LL, 650 Demopoulos LA, 2730 Demura M, 677 Dendorfer A. 286 Deng W-G, 2760 Denk S. 2355 Denke MA, 132 Denktas AE, e127 Dennig K, 2692 Derumeaux G, 1602 Deruyter B. 2309 DeSanctis RW, 1529 Deschepper CF, 2549 Desideri G, 1768 Despa S. 2543 Després J-P. 1904 Detre KM, 1914 Devereux RB, 714, 1071, 1928 Dhillon B, 1890, 2332 Di Castelnuovo A. 2836 Di Gregorio D. 1897 Di Mario C, 1883 Di Mascio R. 1897 Di Paolo FM. 944 Di Tullio MR, 2625 Diamond GA, 1791 Dias B, e58 DiBattiste PM, 2347, 2361, 2730 Dick AJ, 1282 Diebold I, 2030 Diedrich A, 347, 1459 Diep QN, 2296 Diephuis JC, e174, e198 Dietz U, 583 Díez J, 2512 Dillon SM, 2309 Dilsizian V, 539 DiMario C. 1887 Dimmeler S, 1104, 1561 Dinenno FA, e56 Dirschinger J. e12 Dizon J, 1022 Dobrucki LW, 933 Doehner W. 2619 Doering A, 950 Doherty TM, 2411 Dohmen PM, 2929 Doi M. 1374 Donati MB, 2836 Dong J. 2946 Donner RM, 2318 Donofrio MT, e65 Doppler Endpoints Balloon

Angioplasty Trial Europe

Doris CI. e5

Doshi SN, 22

Dotzer F, e12

Doucet M. e55

Dow JS, 1720

Doverspike A, 2785

(DEBATE) II Study Group,

Downs JR, 1776 Dransfield I, 2166 Drinko JK, 99 Driscoll DJ, 2337 Drolet B, 1943 Drumm JD, 1989 Düber C. 1995 Ducimetière P, 2247, 2638 Dumasius V. 497 Dumlao TF, 1837 Duquaine D, 2212 Durante W, 79, e196 Durrant HJ, 22 Dutka DP, 470 Dwivedi R. 1323 Dybdahl B, 685 Dyck JRB, 244 Dyer F, 1348 Dyke CK, 2385 Dzau VJ, 602, 1686 Dzavik V, e5, 2385

Eagle KA, 200, 1529 Eber B, e64 Eberli FR, e175, 2373 Echelard D, 181 Eckardt L. 702 Eckel RH, e138, 2231, 2923 Edelberg JM, 608 Edelman ER, 2917 Edfeldt K. 1158 Edvardsen T, 2071 Edwards N, 1214 Eftestøl T, 2270 Egashira K, e31, e33, 1110, 2905 Eggertsen G. e129 Ehler E. 286 Ehrhardt J-D, 1116 Ehsan A, 602, 1686 Eikelboom JW, 1650 Eitzman DT, 2139 El-Sherif N, 1128 Ellenbogen KA, 2136 Ellingsen Ø, 1380 Ellington E. 181 Ellis SG, 691 Emanueli C. 67, 360 Emori T. 2867 Endemann D, 2296 Engler RL, 1291 Enseleit F, e126, 2817 ENTIRE-TIMI 23 Investigators, Eppenberger HM, 1551 Erdmann J. 950 Ernst S, 462, 1934 Ershow AG, 2923 Escaned J, 2950 Eschenhagen T. 2497 Escolà-Gil JC, e129 Esler MD, 1031 Espevik T, 685 Espinola-Klein C, 15 Esposito G, 85 Esposito K, 804 Estato V, 1116 Eto K, 2531 Eto M, 1756 Evans A, 2247, 2943 Evans AJ, e196 Every NR. 680 Ewy GA, 645 Exner DV, 589

Ezekowitz MD, 557

Ezetimibe Study Group, 2469

Fabiani J-N. 1949 Fabsitz RR, 714, 1928 Factor P, 497 Fadel PJ, 1054 Faggiano G, 1342 Falck G, 1380 Falcone DJ 1837 Fallon JT. 993 Fan K, 438, 2746 Fang LST, e120 Faniello MC. 968 Farb A. 297, 419, 2974 Fard A, 1609 Farine D, 2179 Faris PD, 2378 Farquhar WB, e11 Fatuzzo P, 1354 Faxon DP, 1857, e165 Fayad ZA, 993 Fazio S, 1816 Fearon WF, 2950 Fedak PWM, 1890, 2332 Fedder DO, 152 Fedorova OV, 1122 Fedun B, 1093 Feirt NM, 608 Feld Y, 522 Feldman AM, 1876 Feldman J, 1116 Feldman MD, e48, 1843, e189 Felker GM, 1663 Feng C. 794 Ferguson JJ III, e37 Ferguson MS, 181 Ferrans VJ, 405 Ferrari P, e126 Ferrario CM, 1523 Ferri C, 1768 Ferrieri P. 2115 Fetiveau R, 928 Fielitz J. 286 Fieno DS, 224 Fineberg N. 2779 Finkelstein A. 1970, 2411 Finley JP, 843 Fioravanti G, 2611 Fiore LD, 557 Firstenberg MS, 99 Fischer D, 759 Fishbein M, 2411 Fisher ML, 1182 Fisher NDL, 1921 Fisher NG, 987 Fishman MC, 2766 Fisslthaler B, 1104 Fitzgerald PJ, 2465 Flamm SD, e36, e57, 2449 Flavahan NA, 174 Flavell DM, 950, 1440 Fleckenstein M, e12 Fleg JL, 1735 Fleischmann BK, 2435 Fleischmann D, 265 Fleischmann M, 2435 Fleming I, 1104 Fleschenberg D, 1887 Fletcher RD, 1066 Flo TH, 685 Floras JS, 1753 FLUVACS Study Group, 2143 Fogelman AM, 290 Folsom AR, e144 Folts JD, e53 Fong J. 2962

Force T, 402 Forleo C, 146 Fortuin FD, 2012 Foster C, 1147 Foster E, 1304 Fotuhi P, 462 Fox KAA, 2166 Fractional Flow Reserve (FFR) Post-Stent Registry

Fractional Flow Reserve (FFI Post-Stent Registry Investigators, 2950 Fraedrich G, 1561 Franklyn JA, 1275 Franse LV, 457 Franz MR, 1066 Franzosi MG, 1897 Frasure-Smith N, 1049 Frati G, 1700 Fratta L, 1700 Fratta L, 1700 Frazier OH, e36, e171, 2588,

Fratta L, 1700
Frazier OH, e36, e171, 25
2855
Fred HL, 779, 899
Frederick B, e74
Freedland KE, 1780
Freedman JE, e53, 2130
Freeman GL, 1843
Frei B, e53
Frelinger AL III, e180
Frey AW, 143
Frey N, 1152
Frick MH, 1440
Fried L, 2826
Friedman CP, 2341
Friedman JD, 823

Friedman PL, 589 Froelicher E, 1147 Frustaci A, 2611 Frye RL, 570 Fu C, 816 Fuchs D, e83 Fuentes F, 397 Fügl A, 3032 Fujii T, 2288 Fujimoto K, 621 Fujita T, 106

Friedman PA, e124

Fujiwara Hideomi, 2998 Fujiwara Hisayoshi, 1060, 2487, 3039

Fujiwara T, 2487, 3039 Fujiwara Y, 2592 Fukaya T, 1436 Fukuda D, 2148 Fukuda K, 380

Fukushima H, 2968 Fumeron F, 2943 Funahashi T, 2893 Fung PCW, 1472 Fung W-H, 438 Furberg CD, 917, 1424

Furman MI, e180 Furui J, 3004 Furuyama H, 2878

Fusaro S, 11

Fuster V, 993, e144, e177, 2504, 2580

Gaasch WH, e48, e189 Gage TW, 2115 Gagné C, 2469 Gagnon J, 1904 Galbraith PD, 2378 Galis ZS, 2686 Gall N, 293 Gallagher D, 1093 Gallopin M, 186 Galloway JM, 714 Gambhir SS, 1631 Gammage MD, 1275 Gannon J, 753 Gao E, 1497

Gao F, 1497, 2192 Gao MH, 1989 Garber A, e153 Garber DW, 290 Garcia E, 583 Garcia MJ, 99

Garcia-Civera R, 2741 Gardetto N, 595 Gardner LH, 2385 Gardner T, e165 Garg J, 2458

Garratt KN, 2259 Gartman E, 794 Gasbarrini G, 2611 Gaspa L, 360 Gasparini M, 1342

Gasser H, 3032 Gastaldi D, 1656 Gatzka CD, 810 Gaudet D, 2469 Gautam S, 1816

Gaxiola E. 1317 Gbadebo TD, 770 Gealekman O, 236 Gehling G, e42 Genazzani AR, 1368, e71

Geng Y-J, 614 Gentile F, 27 Gentiloni N, 2611 George AL Jr, 341, 1943 George B, 1285

George J. 2416 George J. 2416 Gepstein L. 522 Geraci E, 1897 Gerber MA, 2115 Gerber TC, e79 Gerdts E, 1071

Gerstenblith G, 2385 Gerstenfeld EP, 2217 Gervino EV, 788 Geva T, 908 Gewitz MH, 2115 Gevik B, e122

Geyik B, e122 Ghali JK, e48, 1585, e189 Ghali WA, 2378 Gibbons RJ, 282

Gibson CM, 282, 1642, 1760,

Gietzen F, 1453 Gijsen FJH, e185 Giles WH, e182 Gilliam FR, 2043 Gillijns H, 2911 Gilon D, 200

Gilon D, 200 Ginnetti F, 800 Ginsburg D, 2139 Giordano FJ, 502 Giordano U, 1342

Giorgetti A, 186 Giri S, 32 Girolami J-P, 627 GISSI-Prevenzione Investigators,

1897 Giugliano D, 804 Giugliano G, 804 Giuliani AE, 1768 Giustetto C, 1342 Glass CK, 1360 Glassford AJ, 739 Glogar D, 2355 Godin D, 2686 Goebel H, 1561 Goette A, 720 Gokce N, 1567 Gold HK, 2849 Gold MR, 837, 2043 Goldberg AD, 1780 Goldberg I, 2416 Goldberg R, e153 Goldberg RJ, 2605 Goldhaber SZ, 1416 Goldman S, 1348

Goldschmidt-Clermont PJ, 174 Goligorsky MS, 1037 Gomez M, 1348 Gong H, 2497

Gong H, 2497 Gonzales JA, 354 González A, 2512 Goodfellow J, 22 Goodman NC, 218 Gordon N, 1147 Gore JM, 2605 Görlach A, 2030 Goronzy JJ, 570 Goto M, 621

Goto S, 2531 Gottlieb SS, 1182, 1348, 1585 Gotto AM Jr, 136, 1514, 1776 Gourlay SG, 282 Goya M, 462, 1934

Grad MO, 2845 Graham MM, 2378, 2981 Greco F, 11

Greenberg J, 1285 Greenberg NL, 99 Greenland P, e144 Greenstein R, 1077 Gregoric ID, 2855 Greil GF, 908

Grewe P, 2493 Grieco G, 800 Griendling KK, 1429 Griese DP, 602 Griffith BP, e171 Grill DE, 2259

Grillo M, 1342 Grimaldi M, e62 Grimm RA, 2571 Grines CL, 1291, 2347, 2730

Grise MA, 2737 Grobbee DE, 2872, e174, e198 Grond M, 1679

Grundy SM, 2231, e153, 2696 Gu Y, 502 Guarneri EM, 2737 Guelfi D, 1700

Guenther C, 483 Guerci AD, 1791 Guida P, 146 Guillemain R, 1949 Guize L, 1202 Gullestad L, 1182 Gunda M, 282 Günther RW, 874, 1772

Gupta D, 3066 Gurevitz O, e124 Gurfinkel EP, 2143 Gutierrez A, 1317 Guttman MA, 1282 Guzik TJ, 1656 Gwathmey JK, 904 Gyurko R, 2766

Haager PK, 583 Haas F, 162 Hachamovitch R, 32, 823 Hack S, 2265 Haffner SM, 2008 Hafner G, 15 Hagan PG, 200 Hagel K-J, 1099 Hagisawa K, 149 Hague W, 1162 Hahn S, 2043 Hafissaguerre M, 2442, 2821 Hafjar RJ, 904

Hajjar RJ, 904 Haklai R, 2416 Hakuno D, 380 Hales CN, 2153 Halestrap AP, e44 Hall WJ, 794 Hallstrom A, 2049 Hallström S, 3032 Halperin JL, 2580 Halushka MK, 1620 Halushka PV, 1620 Hama S, 290 Hamasaki N. 2986 Hambrecht R, 2619 Hamer B, 1642 Hamilton A, 2772 Hamilton RM, 843 Hamm BK, e49

Hamilton A, 2772 Hamilton RM, 843 Hamm BK, e49 Hamm CW, 583, 1446 Hamman R, e132 Hammond HK, 1291, 1989 Hamsten A, e129 Handa S, 2531 Hanefeld C, 2493 Hanley AJG, 2008 Hansen JE, 54 Hansen OK, e176 Hanson S, 1679 Hansson GK, e34, 1158

Hanson S, 1679
Hansson GK, e34, 1158
Haq S, 402
Hara M, 2092
Harding SE, 904, 2497
Hardt SE, 614
Hare JM, 1663
Harrell LC, 1465
Harrington RA, 322, 554, e75,

2385
Harris F, 2962
Harris KE, 2730
Harris MI, e132
Harris RC, 1816
Harrison DG, 393, 530
Harrocks S, 61
Harty GJ, 999
Hasegawa H, 1240
Hasenfuss G, 194
Hashimoto H, 1028
Hashimoto K, 2398
Hashimoto M, e30, 2404

Hashimoto H, 1028
Hashimoto K, 2398
Hashimoto K, 2398
Hashimoto M, e30, 2404
Hashiya N, 1233
Hassan S, 1077
Hasselblad V, 2385
Hastings J, 1031
Hatsukami TS, 181
Hattler B, e171
Hausleiter J, 2411
Havas S, e153
Havekes LM, 2064
Haverkamp W, 702
Havranek E, 1348
Hawe E, 1440
Hawkins GA, 1879

Hayakawa K, 2487, 3039 Hayashi H, 2666 Hayashi S-i, 732

Hayashi Terumi, 663 Hayashi Toshio, e31, e33 Hayashidani S, 868 Hayoz D, 2817 Häyry PJ, 2524 He Q. 1093 Hebe J. 462 Heddle C, e44 Heeschen C, 739, 1446 Hegele RA, e7 Heidbuchel H, 1642 Heiss G, e54 Hejmadi A, 2797 Helft G, 993 Heller GV, 32 Helmer G, 1291 Hendel RC, 2012 Henein M, 2324 Hengstenberg C, 950 Henning RH, 1548 Henry J-P, 1602 Henry T, 788 Hense H-W, 950 Hentosz T. 2785 Herderick EE, 2712 Herkert O, 2030 Hermann H-P, 194 Herrera G. 1317 Herrington DM, 917, e72, 1879, 2962 Herrmann HC, 2347, 2730 Herrmann J. 415 Herrold EM, 1837 Herron AJ, 354 HERS Study Group, 2962 Herz I, 2416 Herzog CA, 1336 Hescheler J, 2435

Heshka S, 1093 Hess J, 2030 Hess OM, 2373 Hessen S. 2043 Hetzer R. 286 Heubach JF, 2497 Heymes C, 293 Hiasa K-i, 1110 Higaki J, 41 Higgins CB, 537 Higgins S, 2043 Higuchi Y, 509 Hill MRS, 438 Hilwig RW, 645 Hingorani AD, 2600 Hiraoka K, 1233 Hiraoka M. 2998 Hirase T, e3 Hirata K-i, e3 Hirayama S, 1830 Hiromoto M. 2288 Hirotani S, 509 Hirsh J. 1650 Hisamatsu Y, 1374 Hlatky MA, 680 Hnatkova K. 1066 Ho CY, 2992 Ho KKL, e55, 1285 Ho SY, 2442 Ho S-H, 1278 Hochman JS, 2385 Hocini M, 2442, 2821 Hodgson JM, 1412

Hoeben RC, 2064

Hoefer IE, 1639 Hoffman M, 230

Hoffmann R. 583

Hoffmann U, 2646 Hoffmann-Riem M. 462 Höhn S, e49 Hohnloser SH, e70, 1943 Hoit BD, 2939 Hokamura Y, e80 Hollenberg NK, 1921 Holman R, e153 Holmes DR Jr, 415, 1403, 1914, 2259 Holubkov R, 2826 Homey CJ, 614 Homma S, 1609, 2625 Homma T, 3004 Homma Y. 2024

Honda O, e80, 2968 Honda Y, 2465 Hong C, 614 Hong MK, 608 Hong Y. 1904 Hopkins PN, 1921 Hopkins TA, 244 Hori M, 509 Horie M, 2592 Horlick M. 1093 Hornberger LK, 843 Horowitz JD, 2861 Horvath KA, e171 Hoshijima M, 502 Hotta K. 2893 Hou D, 2779 Hough G, 290 Howard BV, 714, 1928, e128, e132, e197, 2231 Howard TD, 1879

Howard WJ, e153 Hrabie JA, 2779 Hsu L-I, 1804 Hsue PY, 1592 Hsueh Y-M, 1804 Hu ZY, 849 Huang PL. 2766 Huang S-L, 2772 Huelsman M, 2392 Huerbin R, 2785 Huikuri HV, e69 Huk I, 3032 Hulley S. 917 Human DG, 843 Humphries SE, 950, 1440 Hungerer K-D, e64 Hünlich M, 194 Hunninghake D, 2962 Hunt BE, ell Hunt D, 1162 Hunt S, e159

Hunter LM, 1567 Hürlimann D, 1399, e126, 2817 Hurst JW, e190 Husain M, 516 Huth C, 720 Huttelmaier S, 431 Hutter D, e175

Hunt SC, 1921

Iacoviello L, 2836 Iacoviello M, 146 lafrati MD, e53 Ibrahim T, 2692 Ichihara M. 663 Ichiki T, 1110 Ide T, 868 Ideker RE, 2537 Iden C, 1037 Iellamo F, 2719

Iemura M, 3004 Iesaka Y, 2998 Iguchi A, e31, e33 Iguchi S, 1491 Ihlen H, 2071 Ihling C, 1104, e64, 1561 Iijima K, 2404 Ikeda H. 3004 Ikeda Yasuhiro, 502 Ikeda Yasuo, 2531 Ikenoue N. 1436 Illenberger S, 431 Inoue K, 2986 Inoue M, 1623 Inoue Masayasu, 1155 Inoue N, e3 Inoue S, 1110 Inoue T, 663 International Registry of Acute

Aortic Dissection (IRAD) Investigators, 200 International Registry of Aortic Dissection (IRAD) Investigators, 1529 International Study on Syncope of Uncertain Etiology (ISSUE) Investigators, 2741 Inubushi M, 1631 Ischiropoulos H, 849 Ishibashi K, 106 Ishibashi M, 1110 Ishibashi T, 962

Ishida Y, 1541 Ishii M, 3004 Ishizaka N, 1028 Ishizaka Y, 1028 Ishizawa A, 2885 Islam MA, 2543 Isner JM, 360, 732, 2012, 3017 Isselbacher EM, 1529 Itai Y, 1708

Itescu S, 1214 Ito Yoko, 2487 Ito Yoshinori, 2878 Itoh Seigo, 912 Itoh Shinichi, 2288 Ivan E, 2686 Ivanov V. e53 Iwabuchi M, 2986 Iwado Y, 2878 Iwaguro H, 732 Iwai N, 41 Iwanaga Y, 502 Iyengar P. e58

Izzo JL Jr, 2955

Jacobs AK, 539, e165 Jais P. 2821 Jakubowski A, 3032 Jamjoum LS, e127 Jamshidi Y, 950, 1440 Jang I-K. 2361 Jani S. 2737 Janicki JS, 1983 Janse MJ. 2442 Jansen EWL, e174, e198 Janssen PML, 194 Janssens S, 2911 January CT, 2830 Januzzi JL Jr, 2361 Jarvik R, 2588, 2855 Jaïs P, 2442 Jayaweera AR, 218 Jeng J-S. 1804 Jenkins KJ, 2318

Jenkins LS, 589 Jennings C, 2049 Jeon E-S, 1278 Jeunemaitre X, 1921 Jha A. 2166 Jialal I, e159 Jiao Y, 230 Jin XY, 2588 Joch H, 1756 Jockusch BM, 431 Jóhannsson E, e44 John R, 1214 Johnson C, 2686 Johnson KC, 457 Johnston L, 1031 Johnston M. 1650 Johnstone D, e82, e194 Jones R, 2253 Jones Russell, 2217 Jordan J. 347, 1459 Jougasaki M, 639 Jouppila P. 2058 Judd RM, 224 Jukema JW, 328 Julve J, e129 Juvonen J, 1555

Kacet S, 726 Kadipasaoglu KA, e171 Kadosaki T, 1060 Kadowaki T, 1240 Kaitani K, 2986 Kajita T, 621 Kajiya F, 621 Kakishita M, 2867 Kalinowski L, 933 Kalka C, 732 Kalled SL, 1609 Kalman JM, 258 Kalra DK, 1537, 2192, 2198 Kanaki T. 1830 Kane B, 2772 Kaneda Y, 1491 Kangawa K, 106 Kanki H, 1943 Kano H, e31, e33 Kao WHL, 1663 Kapatsoris M, 67 Kaposzta Z. 1480 Kara T, 2462 Kardos A, 2588 Karemaker JM, 1329 Karpawich PP, 2318 Karst ML, 2337 Kasahara E, 1155 Kasahara S. 2797 Kashiwakura Y, 912 Kaski JC, 1298 Kasner SE, 1679 Kasper EK, 1663 Kastelein JJP, 2159 Kastrati A, e12, 2946 Kataoka C, 2905 Kato H. 3004 Kato S, 106 Katoh C, 2878 Katoh H, 2666 Katoh Y, 912 Katsuya T. 41 Katz AM, 669 Kaufman ES, 794 Kaufmann PG, 1780

Kaul Sanjay, 1970 Kaul Sanjiv, 218, 539, 987, 1764 Kaur M, 608

Kavesh N, 837 Kawaguchi N. 2556 Kawara T, 2442 Kawarabayashi T, 2148 Kawasaki M, 2487 Kawase Y, 3039 Kawashima S, e3 Kaya U, 1285 Kaye DM, 1031 Kazanegra R, 595 Keaney JF Jr, 1567 Keating MT, 431, 794 Kedes L. 1720 Kee F. 2943 Keech A, 1162, 1424, 2341 Keefer LK, 2779 Keelan PC, e127 Kehat 1, 522 Kelly DP, 1025 Kent KM, 2037 Kereiakes DJ, 174, e74 Keren G, 2416 Keren P. 2416 Kerensky R. 2826 Kern KB, 645, 2562 Kerwin LJ, 2955 Kessler PD, 93 Kesteloot H, 893 Kesäniemi YA, 1440 Ketch T, 2518 Ketterer MW, 1780 Keyamura R, 490 Khachigian LM, e29 Khan T. 2855 Khandheria BK, 27 Kharbanda RK, 2600 Khatri JJ, 2686 Khoo MSC, 770 Kiat H. 823 Kies P, 702 Kihara S, 2893 Kikuchi M, 149 Kilaru R. 322 Kilcoyne CM, 452 Killingsworth CR, 2537 Kilo J. 1635 Kilter H, 402 Kim J. 1843 Kim J-M, 1278 Kim RJ, 224 Kim S, 1278 Kim S-J, 614 Kimura J, 962 Kimura T, 2986 Kimura Y, e80 King GL, 373, e138 King IB, 697 King S, 2212 Kingwell BA, 810, e56 Kinugawa S, 868 Kip KE, 1914 Kirchmair R, 360, 3017 Kirk M, 837 Kishimoto NY, 431 Kislinger T, 816 Kissinger KV, 908 Kissler M. 2493 Kitamoto S, 1110 Kitamura K, 106 Kitt MM, 322 Kjekshus J. 1182 Klauss V, 1511, 2950 Kleber FX, 2845 Kleemann R, 1561

Klegerman M, 2772

Kleiman NS, 788, 2385 Klein C, 162 Klein GJ, e8, e61 Klein HU, 720 Klein N. 2600 Klein R. 2043 Klepetko W. 265 Kleschyov AL, e196 Klibanov AL, 1764 Kloetzel P-M, 483 Kloner RA, 656, 1720 Kloog Y, 2416 Klues HG, 583 Klug D, 726 Knaapen MWM, 1596 Knatterud GL, 1780 Knight BP, 1077 Knight-Lozano CA, 849 Knopp RH, 697 Knudtson ML, 2378 Knuefermann P. 2192 Kobayashi H, 1713 Kobayashi J, 2885 Kobayashi Kenzaburo, 2998 Kobayashi Kunihiko, 2878 Kobayashi S, 1374 Kobayashi T, 2885 Kober T. 855 Koch WJ, 85, 2497 Koci BJ, 759 Kockx MM, 1596, 2064 Koda M, 3039 Kodama I, 2092 Kodani E, 3046 Koh KK, 1531 Kohno Masateru, 1374 Kohno Michihiro, 1374 Kohno Y, 766 Koide S-i, 2968 Kojda G. 855 Kokame K, 41 Kolodgie FD, 297, 2019, 2974 Kolossov E, 2435 Komori K, 1226, 2905 Komuro I, e9, 1240, 1541 Konerding MA, 1995 Konertz W, 2929 Kong S-L, 438, 1195 König A, 1511 Konishi F, 380 Konishi H, 912 Konstam MA, 2244 Koon J, 595 Kopecky SL, 570 Kopelman H, 2043 Kopp H, 15 Koren-Morag N, 1679 Kornblit CA, 707 Koro CE, 152 Koskinen PK, 2524 Kostov D. 1871 Kottke-Marchant K, 457 Kouakam C, 726 Koura T, 2092 Kozai T, 1756 Kozaki K, 2404 Kozhevnikov DO, 1128 Krahn AD, e8, e61 Kramer P. 1887 Krams R, e185 Krantz DS, 1780 Krebs H, 2845 Krebs R. 2524

Kreuder J, 1099

Krishnaswamy P, 595

Kristiansen SB, 1693 Kromhout D, 893 Krueger LA, e180 Krumholz HM, 1082 Krumsdorf U, 1887 Kubo Y. 2592 Kubota N, 1240 Kuboyama O, 2998 Kuck K-H, 462, 1453, 1934 Kudej RK, 367 Kuepper F, 2586 Kuge Y, 2878 Kugiyama K, 2968 Kuivenhoven JA, 2159 Kulik TA, 2455 Kuller LH, 136, e132 Kumada M, 2893 Kumar M, 354 Kumar UN, 1304 Kume M, 1226 Küng A, 2373 Kunitada S, 2385 Kuntz RE, e55, 1285, 2012 Kunz P, 328 Kuo C-c. 1976 Kupferwasser LI, 746 Kurita A, 149 Kuriyama H, 2893 Kusano H, 149 Kusano K, 2867 Kutalek SP, 589 Kutys R, 419, 2019 Kuzo RS, e79 Kyo S, 2885

La Rovere MT, e70 Laan CA, 2166 Labat C, 1202 L'Abbate A, 186 Laber U, 855 Labinaz M. 322 Lablanche JM, 130 Labugger R, 1635 Lacourcière Y, 2955 Lacroix D, 726 Ladd W, 1615 Laham RJ, 788 Lai SWK, 1077 Lainchbury JG, 999 Laird JR Jr, 2037 Laird PW, 1720 Lakatta EG, 1122 Lallone R, 290 Lam Y-M, 438 Lamb HJ, 328 Lambert GW, 1031 Lambeth JD, 1429 Lamblin N, 130 Lamendola C, e153 Lamontagne D, 387 Lamping KG, 1520 Landau WM, e61 Landolfo KP, e171 Lanfranchi P. 2462 Lang IM, 265, 2355 Lang MG, 1399 Lange A, 61 Langer F, 1034 Langerak SE, 328 Lansing AM, e171 Lansky AJ, 2465 Lapointe N, 2549 Larman M, 2512 Larsen G, 2049 Laskey WK, 539

Lassègue B, 1429 Latremouille C, 1949 Lau C-P, 438, 1472, 2746 Lau TK, e57 Laubach VE, 2078 Laufs U. 1446, 2083 Laule M, 483 Lausberg H, 1034 Lavori PW, 680 Law YM, 843 Lawn R, 1491 Lawrie G, 1537 Layne MD, 602 Lazzerini G, 816 Le DE, 987 Le E. 218 Leaf A, 1874 Leask R, e58 Lechi A, 576 Lecompte T, 230 Lederman RJ, 1282 Ledochowski M, e83 Lee ET, 714, 1928 Lee JA, 1837 Lee JS, 759 Lee KL, 2746 Lee KL-F, 1472 Lee R, 1871 Lee RJ, 2217 Lee RT, 753 Lee SH, 608 Lee SW-L, 1195 Lee S-C, 639 Lee TH, 666 Lee T-M, 334 Lee Y-T, 334 Lee-Jackson D, 1537 Legramante JM, 2719 Lehr H-A, e64 Leinsinger G, 1511 Lele M, e46 Lemaitre RN, 697 Lembcke AE, e49, 2929 Lembo G, 1700 Lemler MS, 207 Lemström KB, 2524 Lendeckel U. 720 Lenders JWM, 1329 Lenfant C, 400, 1751 Lennon L, 1785 Leon AS, 1904 Leon MB, 1285, 2737 Leon de la Fuente R, 2143 Leonard SR. 207 Leong GY, 2849 Leong-Poi H, 987, 1764 Lerch PG, 1399 Lerman A, 415 Lerman LO, 415 Leschuk W. 2981 Lesh MD, 1887, 2217 Lespérance F. 1049 Lessick J. e48 Lessner S. 2686 Letsou GV, 3066 Leung TK, 251 Leung T-K, 2672 Levantesi G, 1897 Levine RA, 861 Levine SR, 1679 Levison ME, 2115 Levy D, 48 Levy R, 2962 Lewandowski ED, 367 Lewis A, 1037

Lewis MJ, 22 Leyva-Leon F, 2619 Li D, 251 Li H. 1037 Li Li, 861 Li Liqing, e53 Li Q, 397, 3066 Li R-K, 1890, 2332 Li S-H, 1890 Li T, 732 Li X, 1879 Li Y, 3039 Liao JK, 1368 Liao L, 2653 Libby P, 753, 1135, 1396 Libhaber E, 830 Lichtman AH, 3025 Lichtman JH, 1082 Lick S. 981 Liebson PR, e48, e189 Lien D, 2398 Lien E, 685 Lietz K, 1214 Light K, 1780 Ligthart JMR, e130 Liistro F, 1883 Lila N, 1949 Lim B-K, 1278 Lim HW, 1850

Limitation of Myocardial Injury Following Thrombolysis in Acute Myocardial Infarction (LIMIT AMI) Study Group, 282 Limpijankit T, 2465 Lin C-I, 2679 Lin C-P, e63

Lin C-I, 2679 Lin C-P, e63 Lin F, 2962 Lin F-S, e63 Lin Heng, 1962 Lin Hong, 438, 1195 Lin T-M, 1976 Lin T-N, 1962 Lincoff AM, 554, e74, 2385 Lindner JR, 1764 Lindsey ML, 753

Lindsey ML, 753 Linnenbank AC, 2442 Linton MF, 1816 Linz W, 2083 Liou J-Y, 1962 LIPID Study Investigators, 1162

Lipp A, 1459 Lipp A, 1459 Lipshultz SE, e159 L'Italien GJ, 152 Lithell H, 2153 Liu J, 2929

Liu JE, 1928 Liu M, 2411 Liu PP, 1189, 2549 Liu W-H, e63 Liu X-m, 79 Liuzzo G, 800 Llovet A, 200 Lodder RA, 923

Loghin C, 3066 Loh E, e159 Lombardi A, 928 London B, 707 Long TI, 1720 Lonn E, e82, e194

Lonn EM, e5

Loennechen JP, 1380

Loot AE, 1548 Lopaschuk GD, 140, 244 Lopes N, 174
Lopes-Virella M, e138
López B, 2512
Lopez BL, 1497
López-Jaramillo P, e10
Lopresti-Morrow L, 753
Loscalzo J, 1517, 2130
Losordo DW, 268, 2012, 2133, 3017
Louwerenburg HW, 1642

Lowe GDO, 1785 Lowe HC, e29 Lowe JE, e171 Lu D, 557 Lu ZJ, 2435 Lubien E, 595 Luc G, 2943 Lucini D, 2719 Lüers C, 194 Luft FC, 347, 1459 Lundec PK, e44 Lurie KG, 124 Lüscher TF, 1399, 1635, 1756,

e126, 2817 Lusis AJ, 2078 Lütolf R, 2373 Lwin T-T-, 1708 Lytle BW, e171

Ma J, 2595 Ma JZ, 1336 Ma X-L, 1497 Mabrouk ME, 2296 Mabuchi H, 677 Mabuchi M, 2878 MacAllister RJ, 2600 MacDonald R, 2772 Machado R, 1672 Macle L, 2821 Maclure M, 2476 MacMurdy K, 837 Madan N. e78 Maddestra N, 2005 Madeddu P. 67, 360 Madhav T, 2772 Maeda K. 2893 Maeda N. 1485 Maeffert R, e42 Maehara A, 2037 Maehara K, 975 Maggioni AP, 1897 Magid R, 2686 Magnin-Poull I, 726

Magid R, 2686 Magnin-Poull I, 726 Maguire GF, 3025 Mahmood U, 2766 Maier LS, 194 Maier W, 2373 Main M, 99 Maincent P, 230 Maisch B, e67 Maisel AS, 595, 2328 Maitland A, 2332 Majesky MW, 2010 Makino S, 380 Mäkikallio K, 2058

Makkar R, 2411 Malatino LS, 639, 1354 Malcom GT, 419, 2019, 2712 Malcouvier V, 279 Malik M, 1066

Malinski T, 933, 3032 Mallamaci F, 1354 Maly FE, 2646 Manabe T, 380

Mäkikallio TH, e69

Mancini D, 1214 Mangi AA, 602 Mankad S, 2826 Mann DL, 1537, 2192, 2198,

Mannami T, 41 Mannarino E, e54 Manning SL, 2139 Manning WJ, 874, 908

Mann MJ, 602, 1686

2244, 2810

Mannucci PM, 928 Mano T, 509 Mantini L, 1897 Marano R, 2005 Marble SJ, 1909

March KL, 2779 March RJ, e171 Marchand-Arvier M, 230 Marchant C, 2049

Marchioli R, 1897 Marchuk DA, 1824 Marcus FI, e70 Marfella R, 804 Marfisi RM, 1897

Marin-Castaño ME, 627 Mark DB, 666 Marks AR, 272, e29 Markus HS, 1480

Marmur JD, 1291, 2282 Marnett LJ, 1816 Marom S, 522

Maron BJ, 446, 944, 2229, 2992 Maroto LC, 200 Marquié C, 726 Marres HAM, 1329 Marrott P, 1291 Marsch S, 1412 Marschner IC, 1162

Marso SP, 322 Martin JF, 1480 Martinez EE, 2000 Martínez Ubago JL, 2512 Maruyama R, 3039

Maruyama Y, 962, 975 Marx SO, 272, e29 Mascelli MA, e74

Maseri A, 800, 1135, 2611 Massari F, 146 Massaro JM, 48 Massaro M, 816

Massullo V, 2737 Mastik F, 1627 Mastropasqua F, 146 Masuda H, 732 Masuda Y, 1240 Masumoto A, 1545

Masutani S, 2885 Matheja P, 702 Mathew J, e82, e194 Mathew V, 2259 Matsubara H, 2867 Matsuda H, 2556

Matsui-Hirai H, e31, e33 Matsuishi T, 3004 Matsumoto K, 1491 Matsumoto Takeshi, 621 Matsumoto Takuya, 1226

Matsumura Y, 509 Matsunaga T, 2185 Matsuno Y, 1060 Matsuo H, 1060 Matsuoka I, 962 Matsuura N, 2556

Matsuzaki M, 1374, 2288 Matsuzawa Y, 2893 Mattila K, 1555 Maurer G, 2355

Mautner B, 2143 Mayer B, 855 Mazer SP, 1609 McAnulty J, 2049

McCabe C, 1760 McCabe PM, 354 McCabe S, 608 McCarby P, 1768, 199

McCarthy P, 1768, 1955 McConnell JP, 2660 McDonnell DP, 1879 McDonough B, 2992

McDonough B, 2992 McDougall J, e197 McDowell IFW, 22 McEniery CM, 213

McGill HC Jr, 2712 McKenna WJ, 446, e27, 1407 McKnite S, 124

McKnite S, 124 McLennan PL, 2303 McMahan CA, 2712 McMahon RP, 1780 McMurray JJV, 2099, 2223,

2577 McMurtry MS, 244 McNab DC, e171 McNamara DM, 707 McNulty P, 1727, 1861

McNulty P, 1727, 1861 McPherson D, 2772 McVeigh ER, 1282 Medina Aharon, 794 Medina Alfonso, e47 Medley TL, 810

Mehilli J, e12, 2946 Mehta RH, 200 Meier B, e175, 2373, 2730

Meiners S, 483 Meinertz T, 1170 Melamed-Frank M, 522

Melamed-Frank M, 522 Mele E, 968 Melin J, 1555 Melo LG, 602 Mendiz O, 2143 Meniconi A, 2646 Menotti A, 893 Menozzi C, 2741 Mensah GA, e182 Menzoian JO, 1567

Mercado-Rios F, 1317 MERIT-HF Study Group, 1585 Merlini PA, 928

Merz CNB, 2826 Messas E, 861 Messerli AW, 2458 Messier M, 726 Meyer J, 15 Meyer TE, 2605 Meyer W, 855 Meyer-Kirchrath J, 2760 Meyers DA, 1879 Michael A, 402 Michael L, 2192 Michel-Behnke I, 1099

Michel-Behnke I, 1099 Michelakis ED, 244, 2398 Michelaksi C, 186 Michelaksi C, 186 Michler R, 1214 Mickle DAG, 1890 Migliorini R, 2741

Milanesi O, 1254 Miller DD, 32 Miller G, 1440 Miller K, 2855 Miller LR, e77

Miller NH, 1735

Neumayer C, 3032

Miller TA, 1551 Milliken CE, 2012 Mills JD, 759 Mills PG, 939 Milner TE, 1843 Minamino T, 1541 Minamoto K, 1609 Minatoguchi S, 2487, 3039 Mininni N, 1897 Mintz GS, 2037, 2465 Mitamura H, 2092 Mitch WE, e159 Mitchell GF, 2955 Mitchell PG, 753 Mittleman MA, 2476 Miyagawa S, 2556 Miyaji K. 2867 Miyamoto S, 2968 Miyata S, 1060 Miyauchi H, 1541 Miyoshi S, 2092 Moat NE, 1734 Moat SJ, 22 Mohiaddin RH, e27, 1734 Mohiuddin SM, 1735 Mohri M, 1545 Moldawer LL, 1639 Molinari AM, 804 Moliterno DJ, 691, 2347, 2730 Molkentin JD, 1850 Moll R, e67 Momose A, 1708 Momose M. 162 Monaco C, 800 Monahan KD, e56, 956 Monassier L, 1116 Moniz MC, 2185 Montagne O, 614 Montaye M, 2247 Montgomery HE, 950 Montorfano M, 1883 Moon JCC, 1018 Moon T, 788 Moore JW, e78 Moore-Cox A, e5 Moorjani N, 2588 Morady F, 1077 Moreno PR, 923, 2504 Moreolo GS, 1254 Mori E, 2905 Morillo CA, e10 Morino Y, 2465 Morishita R. 1233, 1491 Morita H, 2867 Morita T. 509 Morooka S, 663 Morrell NW, 1672 Morrow DA, 1760 Morrow JD, 1816 Mortara A, e70 Morton JB, 258 Mosca L, e72 Moser DK, 2810

Moses JW, 2347

Moshage W, e42

Moshiri S, 1883

Moudgil R, 244

Moya A, 2741

Mudra H, 162

Moyé LA, 3062

Mueller Christian, 1412

Mueller Cornelius, 2423

Moss AJ, 784, 794

Moxonidine Safety and Efficacy

(MOXSE) Investigators, 1797

Mueller M. 1099 Mügge A, 2493 Muggeo M, 576 Mukamal KJ, 2476 Mulder P, 1602 Mullen JBM, 843 Muller JE, 923, 1509, 2476 Multicenter rt-PA Stroke Survey Group, 1679 Mulvany MJ, 1700 Münzel T, 1170, e196 Muraguchi M, 2893 Murasawa S, 732 Murayama T, 3017 Murphy SA, 282, 1760, 1909 Murr C, e83 Murray KT, 1943 Murthy DR, 32 Muschick P, 483 Mussa S, 1656, e174 Muta H. 3004 Myers TJ, 2855 Myerson SG, 950

Nabel EG, 672 Nademanee K, 73 Nafeh C, 1602 Nagai R, e9, 1028, 1144 Nagai T, 1240 Nagaraj A, 2772 Nagase S, 2867 Nagata K, 962 Nageh T, e73, e85 Najar S, 1317 Nakada MT, e74 Nakagawa Y, 2986 Nakai T, 1887, 2217 Nakajima T, 570 Nakamura K, 2867 Nakamura S-i, 2968 Nakamura Tadashi, 2893 Nakamura Toshikazu, 1491, 2556 Nakamura Y, 2867 Nakano S, 2592 Nakano T, 2024 Nakata Y, 1485 Nakayama H, 509 Namba T, 1233 Namiki M, e3 Nandi S, 2686 Nannizzi-Alaimo L, 2849 Nanobashvili J, 3032 Napoli C, 415, 1360 Napolitano C, 1342 Nappo F, 804 Naruse K, 373 Nast CC, 746 Nastoli J, 1342 Natale A, 2571 Nathan L, 425 Nathoe HM, e174, e198 Nattel S, 251, 2672 Navab M, 290, 2078

Navarro X, 2741

Neau E, 627

Ndrepepa G, 2946

Group, 1669

Nekolla SG, 162

Nesto RW, e159

Neufang A, 1995

Nepple K, 720

2347

Neglia D. 186

Nebivolol Follow-Up Study

Neumann F-J, e12, 279, 1412,

Neutel J, 2955 Neves MF, 2296 Newburger JW, 908, 2115 Newman AB, e144 Neyses L, 2265 Nguyen T, 707 Nguyen T-TT, 1850 Ni W, 1110 Nian G-M, 1962 Nicaud V, 2943 Niccoli L, 583 Nichol G, 2562 Nichols WW, e11, e194 Nickenig G, 393, 530, 2083, 2423 Nicolet P-A, e175 Nicoletti A, e34 Nicolosi GL, 1897 Niekrasz M, 2660 Nield LE, 843 Nieman K, e130 Nieminen MS, 1440, 1555 Nienaber CA, 200 Nierich AP, e198 Nigro V, 502 Niimura H, 446 Nikolaidis LA, 2785 Nikolaychik V, e35 Nishibori Y, 2148 Nishida K, 509 Nishida M. 2893 Nishida Y, 2148 Nishigaki K, 2487 Nishigaki N, 2666 Nishimori T, 2998 Nishimura H, 3017 Nishimura RA, 1403 Nissen S, e165 Nobuyoshi M, 2986, 3004 Noda T, 2487 Nohara R, e70 Nolan A, 564 Noll G, 1399, e126, 2817 Nomura Y, 3004 Norbiato G, 2719 Noriyasu K, 2878 Norris CM, 2378 Norris K. 1943 Nosaka H, 2986 Notte A, 1700 Novaro GM, 2571 Ntziachristos V, 2766 Nunn G, 2797 Nykänen AI, 2524

Oates JA, 1816 O'Brien MF, 61 Ockene IS, 1735 O'Connor WN, 923, 2504 Odabashian JA, 99 Odagawa Y, 2878 Odashiro K, 2986 O'Donnell JM, 367 Oelze M, 1170 O'Gara PT, e159 Ogasawara Y, 621 Ogata J, 41 Ogawa H, 2968 Ogawa S, 380, 2092 Ogihara T, 41, 1233, 1491 Oh J-Y, 1311 Oh SS, 502 Ohe T, 2867 Ohike Y, 2404

Ohkawara H, 962 Ohkusa T, 1374 Ohlstein EH, 1497, 2429 Ohmoto Y, 2893 Ohno M, 1028 Ohsuzu F, 149 Ohta K, 2867 Ohye RG, 2455 Okada Y, 2092 Okamoto Y, 2893 Okatani Y, 1436 Okin PM, 714 Okuda S, 1374 Okumura K, 2024 Olarte A, 2049 O'Leary DH, e144 Oliveira M, e62 Olivotto I, e188 Olson EN, 1152 Olson LC, 2429 Olson MB, 2826 Olson TM, 431, 2337 Omran H, 1887 Onohara T, 1226 Opland D, 373 Oral H, 1077 Orchard TJ, e144 Ormiston JA, e12 O'Rourke MF, e11, e194 Ortega JR, e47 Ortiz G, 181 Osanai T, 2024 Osende JI, e177 Osman F, 1275 Osterziel KJ, 2265 Ota K, 2092 Otani H, 2592 Otsu K, 509 Ott I, 279 Ottersen OP, e44 Ouchi N, 2893 Ouchi Y, 2404 Oudit GY, 1850 Oudiz RJ, 54 Ouellet J-P, 2955 Ouyang F, 462, 1934 Oyama J, 602 Oz MC, 1214, 1609 Ozaki CK, 1639 Ozaki M. e3 Özaydın M, 1077

Pacher P, e84 Pacher R, 2392 Pacifico A, e76 Pagani M, 2719 Page RL, 589 Pagnotta P, 1883 Pahor M, 457 Palacios IF, 1465 Palinski W, 1360 Palka P. 61 Pallasch TJ, 2115 Palmieri V, 1071, 1928 Pampaloni MH, 425 Pankuweit S, e67 Pannier B, 1202 Panza JA, 452 Papademetriou V, 1066, 1071 Papayan H, 112 Pappas C, 2037 Pappone C, 1342 Parchure N. 1298 Parhami F, 650 Parker C III, e53

Quinn MT, 1429

Qureshi N, 685

Parker TG, 2549 Parlongo S, 1354 Parodi O, 186 Parsi A, 2845 Pasterkamp G, 1627 Pasternack A, 1440 Pasternak RC, e72 Patel J, 650 Patel KK, e74 Patel P, 2212 Paternò R. 968 Pathobiological Determinants of Atherosclerosis in Youth (PDAY) Research Group, 2712 Patsch W, e54 Patterson C, 981 Patterson E, e80 Patton KK, 446 Paul J-F, e170 Paulin D, 112 Pavitt DV, 2619 Payne J, 2043 Payne N, 22 Pearce RM, 697 Pearson TA, 886, e132 Pecher C, 627 Pedersen EM, e176 Pedretti R. 143 Peduzzi P, 557 Pelliccia A, 944 Pelliccioni S, 800 Pelosi F Jr. 1077 Pena M. 1837 Pennell DJ, 470, 539, 1018, 1394 Penny W, 1291 Pepe S, 2303 Pepine CJ, 1780, 2826 Perlman JA, e53 Perrella MA, 602 Perrot A. 2265 Perrotti N. 968 Perruchoud AP, 1412 Perticone F, 968 Pérusse L, 1904 Pesquero JB, 360 Pestaner J, 419, 2019 Peters DC, 1282 Peters NS, 2172, 2309 Peters RW, 837 Peterson DR, 794 Peterson JT, 1983 Peterson KL, 502, 1720 Peyser PP, e127 Peyton KJ, e196 Pfafferott C, e12 Pfeffer MA, 1424, 2099, 2223, 2341, 2577, 2955 Pfitzer G. 2435 PFO in Cryptogenic Stroke Study (PICSS) Investigators, 2625 Phillips DR, 2849 Pichard AD, 2037 Piek JJ, 1573, 1639 Pieper K, 322 Pierach CA, e189 Pieroni M, 2611 Pierson RN Jr, 1093 Pieske B, 194 Pigott DW, 2588

Pigozzi F, 2719

Pike M, 788

Pillai R, 1656

Piña IL, 1585

Pinkerton KE, 849

Pijls NHJ, 2482, 2950

Pinna A, 360 Pinna GD, e70 Pinnow EE, 2037 Pinski S, 2049 Pinsky DJ, 1609 Pintus G. 360 Piran S, 1189 Pirro M, e54 Pisapia G, 1642 Pitt B, 2212 Pittaras A, 1066 Pittenger MF, 93 Pitton MB, 1995 Pitzalis M, 146, e62 Platelet IIb/IIIa Antagonist for the Reduction of Acute Coronary Syndrome Events in a Global Organization Network (PARAGON)-B Investigators, 316 Platelet Receptor Inhibition in Ischemic Syndrome Management (PRISM) Investigators, 1446 Pockley AG, 1012 Poddighe R, 186 Poehlman ET, 564 Pogue J, e82, e194 Pogwizd SM, 2543 Pohl T, e175 Pohle K, e42 Polissar NL, 181 Polymeropoulos KP, 2112 Ponti RD, e62 Poole-Wilson PA, 2588 Poon M, e29 Popma JJ, e55, 1285, 2737 Porcu P, 67 Porta C, 143 Porteri E, 1700 Posma JL, 2159 Potse M. 2442 Potter JF, e8 Poulet R, 1700 Powell AJ, 908 Powell J, 589, 2049 Powell K, 1955 Power JM, 258 Powers E, 2950 Powers ER, 2347, 2730 Praddaude F, 627 Pradhan AD, 1776 Prasad SVN, 85 Pratali L, 186 Prauka I, 483 Pregla R, 286 Prieto L. 2571 PRIME Study Group, 2247 Priori SG, 794, 1342 Probstfield J, e82, e194 Prokop M, 265 Properzi G, 1768 Province MA, 1904 Psaty B, e144 PURSUIT Investigators, 322 Purushothaman KR, 923, 2504 Puttagunta L, 244 Pyörälä K, e144

Qasem A, 213

Qian C, 2955

Qin H, 2537

Quaschning T, e126

Querejeta R, 2512

Quinn MJ, 691

Ra C, 912 Rabbani LE, e29 Rabbat M, 2772 Rabinovitch M, 516 Rabkin E, 753 Raczynski JM, 1780 Rade JJ, 1291 Radevski I, 830 Radford MJ, 1082 Raggi P, 1791 Raghunathan TE, 697 Rajagopalan S. 1534, 2212 Rajamani S, 2830 Rajamannan NM, 2660 Rajappan K, 470 Rajavashisth TB, 2411 Ramaciotti C, 207 Raman J, 258 Raman VK, 1282 Ramchandani MK, 1537 Ramsdale DR, 583 Randriamboavonjy V, 1104 Rao V, 2332 Rapacciuolo A, 85 Rapisarda F. 1354 Rappaport J, 2282 Räsänen J, 2058 Rashba EJ, 837 Ratcliffe MB, 1317 Ratliff NB, 1768, 1955 Ratnatunga C, 1656 Rau T, 2497 Rauchhaus M, 2619 Ravens U, 2497 Ray CA, 956 Ray KK, e74 Reardon MJ, 1537 Reaveley DA, 2619 Rebeyka IM, 140 Reboussin DM, 1879 Rectenwald JE, 1639 Redberg RF, e144, 2231 Reddy GP, 537 Redington AN, e1, 1693 Reeser V. 2826 Regenfus M, e42 Regitz-Zagrosek V, 286 Regoli D, 360 Rehwald WG, 224 Reichart B. 1511 Reichenspurner H, 1170 Reifenberg K, e64 Reiffel JA, 1022 Reiken S, 272 Reineke T, 583 Reis SE, 2826 Reisman M, 1887 Reisner SA, e48 Reiter B, 1170 Renard P, 1116 Repetto A, 928 Restivo M, 1128 Reusch J, e138 Rezkalla SH, 656 Rezvani M. 602 Rhoades R, 2779 Rice T, 1904 Richard V, 1602 Richter S, 1104 Ridker PM, 2, 1135, 1776, 2583, 2595 Rieber J, 1511

Riedel M, e25 Rieger R, 1037 Riendeau D, 1816 Rifai N, 1760, 2595 Rihal CS, 2259 Riley WA, e5 Rim S-J, 987 Rimm EB, 2806 Rimoldi OE, 470 Rinze R, 1170 Rippin G, 15 Ritman EL, 415 Ritter JM, 1323 Ritter O. 2265 Rittig K, 3017 Rizzon B, 146 Rizzon P, 146, e62 Rizzoni D. 1700 Robert L, 2638 Roberts R, e188, 2934 Robertson D, 1459, 2518 Robertson RM, e71, 2518 Robertson TL, 2385 Robinson JL, 784, 794 Robotis D, 1128 Robson D, 2588 Röcken C, 720 Rockman HA, 85, 1824 Rockstroh J, 168 Roden DM, 770, 1943 Rodenwaldt J, e49 Rodriguez BL, e132 Rodriguez LL, 99 Rodriguez LM, 2112 Roell W, 2435 Roffi M. 2730 Rogers JG, e51 Rogers JH, e51 Rogers WJ, 2826 Rokkedal J. 1071 Roks AJM, 1548 Rollins DL, 2537 Roman MJ, 1928 Ronchetti E, 1342 Ropers D, e42 Rose E, 1214 Rösen R, 2083 Rosenbaum DS, 1247 Rosenfeld ME, e34, 1976 Roskamm H, 1412 Ross D, 2797 Ross J Jr, 502 Rossi E, 800 Rossier MF, e126 Roth DM, 1989 Rother W, 483 Röthlein N, 2265 Rotondo S. 2836 Rottenberg M, e34 Rouleau JL, 2549 Rowley AH, 766 Rubboli A, e173 Rubenstein MH, 2849 Rubinstein I, 236 Ruderman N, e138 Rudy Y, 1208 Ruebben A, 874, 1772 Ruffatti A, 1254 Ruidavets J-B, 2943 Rukshin V, 1970, 2411 Rumberger JA, 539, e127 Rumley A, 1785 Rundle AC, 282 Ruocco A, 968 Ruotolo G. e129

Rupprecht HJ, 15 Ruschitzka F, 1399, e126, 2817 Russo RJ, 2737 Rux S, 2845 Ruygrok PN, e12 Ryan T, 539

Sabah I, e122 Sabatine MS, e120, 1760 Sacco J. 557 Sacco RL, 2625 Sacks FM, 1424, 2341 Sadoul N, 726 Sadowski J, 1656 Safar M, 1202 Sagban TA, e64 Sah R. 1850 Saini T. 650 Saito H, 2867 Saito S. 2588 Saito T. 1240 Saito Y, 1830 Sajid M. e46 Sakabe A. 975 Sakai K, 2986 Sakai Y, 663 Sakaki M, 1491 Sakamoto T. 962 Sakata I, 149 Sakurada S. 962 Saldias FJ, 497 Salerno-Uriarte JA, e62 Salinas CL, 1592 Salis MB, 360 Salvadori P. 186 Salvioni A, 928 Samady H, 2950 Sambuceti G, 186 Sammer A, 162 Sampietro T, 11 Sanchez PL, 1465 Sanders AB, 645 Sanderson JE, 143, 438 Sano K, 2487 Sano M. 8 Sano T, 2148 Sans S, 893 Santillo M. 968 Santini M, 1897 Santucci A, 1768 Saphenous Vein Graft Angioplasty Free of Emboli Randomized (SAFER) Trial

Investigators, 1285 Sappè D, 928 Sarang S, 837 Sareli P. 830 Sarma J, 2166 Sasaki N. 2885 Sasayama S, 490 Satler LF, 2037 Sato EF, 1155 Saunders MA, 2760 Savage P, e153 Savonitto S, 928 Sawa Y, 2556 Sawyer DB, 1517, 1551 Saxon LA, 1304 Sayre JW, 425 Scalbert E. 1116 Scarborough RM, e46 Schaar JA, 1627 Schaefer HE, 1561 Schaeffter T, 874 Schaer GL, e48, e189

Schafer AI, e196 Schafer J, 1304 Schäfers H-J, 1034 Schäfers K. 702 Schäfers M. 702 Schaff H, e165 Schann S, 1116 Schanstra JP, 627 Scharf C, 1077 Schatz RA, 2012, 2737 Schaumann A, 462, 1934 Schelbert HR, 425, 1631 Schellenberger U, 759 Schenck-Gustafsson K. e72 Schenke WH, 1531 Schepis F, 968 Scherer D, 1887 Scherlag BJ, e80 Schiele F, 583 Schiele TM, 1511 Schiffrin EL, 2296 Schillaci G, e54 Schilling RJ, 2172 Schlag G, 3032 Schlumberger W. 15 Schmenger RP, 1995 Schmidt AM, 816 Schmidt HH-J, e7 Schmidt MR, 1693 Schmieder S, 2946 Schmitt C, 2946 Schmitz V, 855 Schnackenburg B, 162 Schneider MD, 8 Schneider SO, 1034 Schneider WJ, 1830 Schneiderman N, 354 Schober O, 702 Schöder H, 425 Schoen FJ, 753 Schoene N, 2619 Schoenhard JA, 304 Schofield PM, e171

Schrammel A, 855 Schranz D, 1099 Schreiber W, 2355 Schreiner GF, 759 Schröder C, 1459 Schroeder C, 347 Schroer K, 2760 Schron EB, 589 Schroth G, 3066 Schrott HG, 2962 Schuh K. 2265 Schühlen H, e12 Schuler B, e194 Schuler G, 2619 Schulte H. 310 Schulte HD, 2265 Schulte S, 570 Schulthess G, 2646 Schulz E, 1170 Schulze-Bahr E, 702 Schunkert H. 950 Schuster P, e42 Schuurbiers JCH, e185 Schwaiger M, 162, 2692, 2946 Schwartz JS, e144 Schwartz L. 1914

Schwartz PJ, 794, e70, 1943

Schwartz RS, e127

Schweiger C, 1897

Schömig A, e12, 279, 2692,

2946

Schoppet M, e67

Sciacca RR, 2625 Scott WA, 207 Seals DR, e56 Sears CE, 3011 Seaward PG, 843 Sebo TC, 2660 Segawa T, 1060 Seibel JS, 707 Seidl K, 1453 Seidman CE, 446, 614, 2992 Seifert P, 2917 Seiler C, e175

Seifert P, 2917 Seiler C, e175 Seiler R, 1561 Sejersted OM, e44 Sekimata M, 2024 Selcuk H, e122 Selcuk MT, e122 Sellevold OFM, 685 Seminara G, 1354 Senzaki H, 2885 Sermer M, 2179 Serraf A, e170

Serruys PW, e130, e185, 550, 1573, 2367
Seshadri N, 2571
Seshadri S, 48
Seshiah PN, 174
Seward JB, 27, 1403
Seyfarth M, e12
Shah AM, 293
Shah D, 2442, 2821
Shah PK, 270, 1970, 2411
Shamsuzzaman ASM, 2462

Shani M, 112

Shannon JR, 1459

Shannon RP, 2785 Shapiro SM, 746 Sharaf BL, 2826 Sharma AM, 347, 1459 Sharma R, 1615 Sharrett AR, e54 Shaw J, 1162 Shaw LJ, 32, 823 Shaw SG, e126, 2817 Shechter I, 2562 Sheedy PF II, e127 Sheffield D, 1780 Shepherd J, 1424 Sheppard MC, 1275 Sheps DS, 1780 Sheridan DJ, 470 Sherwood JB, 2476 Sherwood RA, e73

Shewchuk L, 2981 Shi W, 2078 Shi Y-F, 2672 Shibagaki Y, 106 Shibasaki M, 1830 Shibuya M, 1110 Shigeto F, 621 Shih DM, 2078 Shih J. 1776 Shimada K, 2148 Shimasaki Y, e80 Shimizu W. 1943 Shimokawa H, 1545 Shimomura I, 2893 Shimosawa T, 106 Shimoto Y, 2385 Shin J-O, 1278 Shinagawa K, 251, 2672 Shindo M, 1155 Shinmura K, 3046

Shiomi T. 868

Shiraiwa K, 2092

Shizukuda Y, e9 Shizuta S, 2986 Shorofsky SR, 837 Shorr RI, 457 Shryock JC, 118 Shulman ST, 766, 2115 Shyue S-K, 1962 Sia YT, 2549 Siebert U. 2950 Siedner S. 2435 Sieniawska C. 1323 Sierevogel MJ, 1627 Sievers B, 1018 Sievert H. 1887 Sigwart U. e188 Sihvola RK, 2524 Silber S, 583 Silver M, 732, 3017 Silverman ED, 843 Silverman F. 1534 Silverman NH, 843 Simes RJ, 1162 Simon C, 2247 Simon JA, 917 Simoncini T, 816, 1368 Simons M, 788 Simoons ML, 322, 554 Singh M, 2259 Singh RJ, 2660 Sinisalo J. 1555 Sinnaeve P, 2911 Siostrzonek P. 2355 Siscovick DS, 697 Sites CK, 564 Siu SC, 1189, 2179

Sivasubramanian N, 1537, 2192, 2198
Sjaastad I, e44
Skanes AC, e8, e61
Skepper JN, 1635
Skinner JS, 1904
Skudicky D, 830
Skulstad H, 2071
Slager CJ, e185
Sleight P, e82, e194
Smallhorn JF, 843, 2179, e192
Smialek J, 419, 2019
Smiseth OA, 2071
Smit AAJ, 1329

Smith A, 477

Smith B. 1921

Smith DE, 200 Smith L, 2482 Smith S, e5 Smith SC Jr, e71, 2231, e165 Smith WM, 2537 Snapinn SM, 1446, 2361 Sobel BE, 282, e138 Solomon SD, 2992 Solorio D, 1921 Somers VK, 2462 Somes GW, 457 Son B, 2404

Somers VK. 2462 Somes GW, 457 Son B, 2404 Song Y, 118 Sopko G, 2562, 2826 Sorace O, 186 Sørensen K, e176, 1693 Sørensen MB, 1734 Sørensen TS, e176 Sorensen S, 2179 Sorescu D, 1429 Sorescu GP, 1429 Sorger JM, 1282 Sorlie PD, e54 Soults J, 446

Tanaka M. 2288

Sousa AGMR, 2932 Sousa JE, 1573, 2932 Sowers J. e153 Spadacini G. 143, e62 Spataro A, 944, 2719 Spears JC, 2179 Spelsberg TC, 2660 Spencer FA, 2605 Spicuzza L, 143 Spieker LE, 1399, 2817 Spiess A, 720 Spitzer V, 1635 Spooner PM, 2574 Springett M, 2660 Spuentrup E, 874, 1772 Stacca T. 360 Staels B, 950, 1440 Staessen JA, 830 Stainback RF, e57 Stalenhoef AFH, 2159 Stamenkovic D. 2083 Stampfer MJ, 2595, 2806 Stancanelli B, 1354 Stanek B. 2392 Stangl K, 483 Stankovic G, 1883 Stanton M. 1943 Starke R. e144 Starling RC, 1768, 1955 Stasch J-P, 2083 Steen PA, 2270 Stefenelli T. 2355 Stehle R, 2435 Stein A, 2772 Stein JH, e32 Steinberg D, 2107 Steinberg JS, 589 Steine K. 2071 Steiner G, e138 Stern DM, 816 Steuterman S. 2737 Stewart JM, 2274 Stewart RAH, 1162 Stewart Simon, 2861 Stewart Susan, 1672 Stewart WJ, 2571 Stoecker E, 2435 Stone GW, 2347 Stone NJ, 2660 Stone PH, 1780 Storto ML, 2005 Stouffer GA, e46, e184 Stouffer R. e165 Straub M, 1797 Strecker K. 2392 Strickberger SA, 1077, 2043 Strijder C, 1627 Stromberg D, 207 Strong JP, 2712 Stuart RO, 1360 Stuber M, 908 Su BY, 174 Su S-F, 334 Suarez de Lezo J, e47 Subramaniam M. 2660 Sudano I, 1399 Suddath WO, 2037 Suematsu N. 868 Suetsugu M, 1374 Sugahara Y. 3004 Sugimachi K, 1226, 2905 Sugimoto K, 962 Sugimura K, e3

Sugimura T, 3004

Sugiyama S. 2968

Sullivan D, 1162 Sullivan S. 2049 Sumi D, e31, e33 Sun H. 2497 Sun J, e29 Sun X-G, 54 Sundan A, 685 Sundaresan G, 1631 Sunde K. 2270 Supino PG, 1837 Sussex B, e82, e194 Suter TM, 1551 Suurmeijer AJH, 1548 Suyker WJL, e174, e198 Suzuki M, 1824 Suzuki T. 200 Suzuki Y, 380 Suzuma 1, 373 Suzuma K. 373 Swan L. e82 Swaney JS, 1989 Swedberg K, 1797 Swedenborg J. 1158 Sweitzer NK, 2992 Syed M. 282 Sveda B. 2355 Syvänne M, 1440 Szeto A. 354 Sznajder JI, 497 Szöcs K. 1429

Tachibana K. 1233 Tada H, 1077 Tada M. 509 Taegtmeyer H. 1727, 1861 Taffet GE, 2192 Taggart DP, e174 Takagi K. 2998 Takagi T. 1883 Takahashi A. 2998 Takahashi E, 1028 Takahashi K. 1830 Takahashi M. 2893 Takahashi R, 2998 Takahashi Y. 2998 Takano Hiroyuki, 1240 Takano Hitoshi, 3046 Takaoka H. 85 Takatsu H, 2487 Takaya N. 912 Takazawa K. 2950 Takeda T. 1708 Takeda Y, 677 Takei H. 2998 Takemura G, 2487, 3039 Takeshita A, 868, 1110, 1545. Taketani S, 2556 Takeuchi K, 1226 Takeuchi S, 2092 Takimoto Y. 490 Takizawa K. 2411 Takizawa N. 1713 Takuma S, 1609 Tal D. 522 Talajic M. 1049 Talan MI, 1122 Talmud PJ, 1440 Tamaki N. 2878 Tamura K. 1686 Tamura N. 2531 Tan R-S, e27 Tanaka A. 2148 Tanaka H. e56

Tanaka K. 490

Tanaka S, 1060 Tang L. 608 Tang M-O, 438 Tang X-L, 3046 Tanganelli P, 816 Tanii M, 2905 Taniyama Y, 1233 Tank J. 347, 1459 Tanne D. 1679 Tansley PDT, 2324 Tardif J-C. 2672 Tardiff BE, 554 TARGET Investigators, 2730 Taskinen M-R, 1440 Taubert KA, e72, 2115 Tavazzi L, 1897 Taylor CB, 1735 Taylor GP, 843 Taylor JA, e11 Taylor WR, 1429 Tchernof A. 564 Tebbenjohanns J. 1453 Teerlink JR, 1317 Teirstein PS, 2737 Temmar M, 1202 Temple J. 770 Teo KK, e5 Terai M, 766 Tercedor L, 2741 Territo M, 650 Tessmer J. 2185 Teupe C, 1104 Textor SC, 2259 Thakur NK. e31. e33 Theisen K, 1511 Thelen M. 1995 Therkildsen SV, e176 Theroux P. 2361 Thiagalingam A. 2797 Thiene G, 1254 Thijs L. 830 Thomas F, 1202 Thomas 1, 1348 Thomas JD, 99 Thomas MJ, e44 Thomas MR, 583, e73, e85 Thomas SA, 85 Thompson P. 1162 Thompson RB, 1282 Thomson JR, 1672 Thomson PD, 537 Thuillez C, 1602 Thul J. 1099 Thury A. e185 Ticho B, 1348 Tiemann K. 2435 Tikkanen JM, 2524 TIMI Study Group, 1909 Timmermans C. 2112 Timmers HJLM, 1329 Ting HH. 2259 Tintut Y. 650 Tio RA. 1548 Tita ATN, 3062 Toda E-i, 1028 Toegel GS, 2917 Tognoni G, 1897 Tokuhisa T, 1374 Toma C. 93 Toma Y. 2288 Tomassoni G. 1768 Tomita H. 2024 Tomita M, 1060

Tomita Y. 380

Tomochika Y. 2288 Tonkin AM. 1162, 1424, 2341 Topol EJ, 322, 691, e74, 2347, 2730 Torra IP, 950, 1440 Touboul P-J, 2638 Toutouzas PK, e55 Towbin JA, 73, 794 Toyokuni S, 2867 Toyota E. 621 Toyozaki T, 766 Tracy RE, 2712 Tracy RP. 457, 2019 Tramarin R. 143 Travaglini A, 99 Travin MI, 32 Traystman R. 2562 Trembath RC, 1672 Trepels T. 1887 Tricot O, 130 Trimarco B. 1700 Trimarco V, 1700 Trimble RW, 770 Tripathi P. 2411 Tripepi G. 1354 Tripuraneni P. 2737 Tritto M. e62 Trivieri MG, 186 Truter S. 1837 Tsai C-H, 334 Tsang V. 1970 Tsao P. 2937 Tse H-F, 1472 Tseng P-H, 1962 Tshele E. 830 Tsilimingas N, 1170 Tsoporis JN. 2549 Tsuchiya K, 2487 Tsuchiya M. 1155 Tsuji K, 2592 Tsunekawa T, e31, e33 Tsuruda T. 639 Tsurumi Y, 2950 Tsutsui H, 868 Tucci C, 1897 Tulis DA, 2653, e196 Tuncel M. 1054 Tung C-H, 2766 Tuoni M, 11 Turner MS, 2429 Tuzcu EM, 1955 Tymchak W, 2398

Ubrich N, 230 Uchida T, 663 Udelson JE, 788 Ueno H, 509 Ueno T, 3004 Ullrich V. 1635 Umemoto S, 2288 Umenura S-i, 149 Umetani K. e3 Umezawa A, 380 Ungvari Z. e84 Uozumi H. e9, 1240 Upton PD, 1672 Urakami L. 1545 Urch B, 1534 Urheim S. 2071 Usui M, 1110, 1545, 2905 Usukura M. 677 Uyeminami D. 849

Vaccarino V, 1176 Valagussa F, 1897

Weil MH, 2562

Vale PR, 2012 Valeske K, 1099 Vallance P. 2600 Valppu L, 1429 Valsangiacomo ER, e192 Valtchanova Z, 830 Valtonen V, 1555 Van Belle E, 130 van Berkel TJC, 2064 van Boven W-J, e174, e198 Van Camp S, 1147 Van De Vosse F, 2482 Van de Werf F, 1642, 2813, 2911 van der Loo B, 1635 van der Steen AFW, 1627 van der Wall EE, 328, 1669 van Dijk D, e174, e179 van Dijk R, e198 van Gilst WH, 1548 Van Langenhove G, 1573 Van Langenhove Glenn, 1596 van Montfrans GA, 1329 Van Pelt N. 2911 van Royen N, 1639 van Tol A, 2159 van Vlijmen BJM, 2064 van't Hooft FM, e129 Varnava AM, 939 Vasan RS, 48 Vasudevan SS, 174 Vatner DE, 614 Vatner SF, 367, 614 Vaughan DE, 304 Vecchione C, 1700 Vega GL, e153 Vega JD, 1429 Vegesna VR, 2411 Velasco JA, 2449 Veldtman G. 1189 Veledar E, 1176 Velema E, 1627 Verani MS, 539 Verheijck EE, 880 Verheugt FWA, 1270 Verheye S, 1596 Verma S, 546, 1890, 2332 Vetrano A, 928 Vetter W, 2646 Victal OA, 1317 Victor A, 15 Victor RG, 1054 Vigneron C, 230 VIGOR Congestive Heart Failure Investigators, 1304 Villanueva FS, 707, 759 Villard JW, 1843 Vince DG, 1955 Vincent GM, 794 Vincent R, 1534 Vinke RVH, e185 Virdis A, 2296 Virmani R, 297, 419, 2019. 2217, 2974 Viswanathan PC, 341, 1943 Vita JA, 1567 Vitovec J, 1182 Vittinghoff E, 917, 2962 Vlahos CJ, 373 Vlassara H, e138 Vliegen HW, 328 Voelckel W, 124 Vogel M. e1, 1693

Vogt P. 1099

Vogtmann T, 462, 1934

Volkmer M, 462, 1453, 1934 vom Dahl J, 583 von der Thüsen JH, 2064 Vongpatanasin W, 1054 Voskuil M, 1573, 1639 Vuolteenaho O, 2058 Vuorinen-Markkola H, 1555

Waage A, 685 Wachtell K, 1071 Wackers FJT, 5 Waclawiw MA, 1531 Wagenaar M, 1329 Wagner A, 2247 Wahba A, 685 Wahr D, 1285 Wainwright RJ, e85 Waite R, 244 Wajih N, e46 Wakatsuki A, 1436 Waksman R, 2037, 2465 Walcott GP, 2537 Walker M, 1785 Walker M III, 2917 Wallace AW, 1317 Walmsley R. e36 Walter DH, 3017 Walter OR, 2037 Walter U, 1170 Walton B. 2600 Wang CY, 1609 Wang C-H, 1804 Wang DW, 341 Wang H. 79 Wang J, 1093 Wang J-G, 830 Wang M-J, e63 Wang WYS, 810 Wang X. 2078 Wang Y. 1082 Wang Zhiqing, 794 Wang Zhongyun, 1054 Wannamethee SG, 1785 Wanner E, 595 Warltier DC, 2185 Warnick D, 2772 Warrington KJ, 570 Wassef M, e138 Wasserman K, 54 Wassmann S, 2083 Watanabe A. 2092 Watanabe S, 1060 Watanabe T, 2404 Waters DD, 32, 1592 Watkins HC, 3011 Watkins MT, 1567 Watkins MW, 1291 Way KJ, 373 Webb C, 2562 Webb CL, 2318 Webb DJ, 213 Webb GD, 1189 Weber C, 1511 Weber CR, 2543 Weber DK. 297, 2974 Weber M, 855 Weber T, e64 Webster KA, 2429 Webster L, 2398 Webster MWI, e12 Wedick NM, 1311 Wei J, 1943 Wei JQ, 2429

Wei K. 218, 987

Weihrauch DW, 2185

Weinmann S, 697 Weintraub WS, 1176 Weis M. 739 Weis SE, 1776 Weisel RD, 1890, 2332 Weisfeldt ML, 2562 Weiss D, 1429 Weiss R. 707 Weissleder R. 2766 Weissman NJ, 539, 2037 Weitz JI, 1004, 1650 Welch JS, 1360 Wells GMA, 477 Welt FGP, 2917 Welty TK, 1928 Welz A. 2435 Welzel H, 2423 Wen J. 868 Wendt M, e196, 1170 Wenger NK, 917, e72, 1526, Wentzel JJ, e185 Werner GS, e175 Wesdorp JCL, 1642 West A, 1291 Westaby S, 2588, 2855 Westrick RJ, 2139 Weyand CM, 570 Weyman AE, 1465 Whincup PH. 1785 Whitby FG, 2337 White HD, 1162, 1446 White LT, 367 White PA, 1693 White RD, 2571 Whitlow PL, 1914 Whittaker P, 1720 Wichter T, 702 Wickenden AD, 1850 Wiedemann H, 2562 Wieling W, 1329 Wiese TH, e49 Wiesli P, 2646 Wigzell H, e34 Wikstrand JC, 1182, 1585 Wild PS, 1579 Wilders R. 880 Wilkens H, 1034 Wilkinson IB, 213 Wilkinson JE, 2139 Willerson JT, 268, 787 Williams CS, 1416 Williams DO, 2699 Williams GH, 1921 Williams MA, 1735 Williams RS, 2242 Wilmore JH, 1904

Wilson GJ, 1850

Wilson SH, 415

Wilson W. 2115

Wiltse C, 1797

Winaver J. 236

Winlaw D, 2797

Winnicki M. 2462

Winters WL, 1537 Wirthlin D, 2911

Wise R, 2562

Wit AL, 2309

Wisloff U. 1380

Wilson PWF, 48, e144

Windecker Stephan, 2373

Windecker Stephen, e175

Witztum JL, 2107, 3025

Woelken-Weckmüller S. 1170

Wolf PA, 48 Wolfram D. 162 Wolk R. 2462 Wolke C, 720 Wolski K, 2347 Wong SC, 608 Wood J. 2524 Wood MA, 2136 World MJ, 950 Worthley SG, 993 Wright TJ, 1797 Wu C-W, 1962 Wu JC, 1631 Wu Jianyi, 675 Wu Jiashin, 675 Wu Jin, 1708 Wu KK, 1962, 2760 Wu L, 118 Wu M-M, 1804 Wu R. 387 Wu X-C, 244 Wustmann K, e175 Wylie-Rosett J, e132, 2800

Xia Y, 2435 Xu Jianfeng, 1879 Xu Jianming, 2653 Xu W, 1472 Xu X-M, 2760 Xuan Y-T, 3046

Yacoub MH, e179, 2324 Yajima S, 766 Yamabe H, e80 Yamaguchi J-i, 732 Yamaguchi O, 509 Yamakado M, 1028 Yamaki T, 1060 Yamamoto Kei, 1491 Yamamoto Keiji, 1128 Yamamoto M, 2867 Yamane T, 2821 Yamani MH, 1768, 1955 Yamaoka T. 2905 Yamasaki K. 1233, 1491 Yamashita T, e3 Yamazaki H, 1830 Yan G-X. 1247 Yan Z-q, 1158 Yang GP, 614 Yang H, 1195 Yang P. 1943 Yang T, 1943 Yano M. 1374 Yao Q. 589 Yaoita H, 975 Yasufumi K, 1233 Yasukawa K, 766 Yau TM, 2332 Yeaman MR, 746 Yee R. e8, e61 Yeh ETH, 408 Yeh H-I. 2679 Yellin M, 1609 Yet S-F. 602 Yeung AC, 2937 Yeung LYC, 143 Yi Q. e5, e82, 1650, e194 Yip P-K, 1804 Ylä-Herttuala S, 2524 Yock PG, 2465 Yokoi H. 2986, 3004 Yokote Y. 2885 Yokoyama K. 962 Yokoyama M, e3

Yoneda T. 677 Yonemitsu Y, 1226 Yoneyama A, 1708 Yoneyama S, 149 Yoshida H. 1541 Yoshida T, 1541 Yoshida Y, 2986 Yoshikawa J. 2148 Yoshimura M, 2968 Yoshinaga K. 2878 Yoshizumi M, 2404 You X-M, 516 Young CG, 849 Young JB, 1768, 1955 Young ME, 1727, 1861 Youssef M. 2981 Yu C-M, 438, 1195

Yu J, 2404 Yu Q, 1708 Yu S-S, 1278 Yu Y, 1955 Yuan C, 181 Yuan Y, 2653 Yue T-L, 1497 Yui Y, 490 Yusuf S, e5, e82, 1650, e194

Zabel M, 1066 Zähringer U, e64 Zaias J, 354 Zaidi SHE, 516 Zaman AG, 993 Zardini M, e62 Zareba W, 794 Zaret BL, 5
Zeiher AM, 1104
Zeitz O, 194
Zenati MA, 1871
Zeniya T, 1708
Zetelaki Z, 3053
Zethelius B, 2153
Zhang Li, 794
Zhang Lunan, 602
Zhang Q, 1195
Zhang S-x, 181
Zhao Q, 1110
Zheng SL, 1879
Zheng Z-J, e182

Zhu X, 1537 Zhu Yanjuan, 1830

Zhu Ying, 2760

Ziccardi P, 804
Ziclinski T, 124
Zieske A, 419, 2019, 2712
Zile MR, e48, 1387, 1503, e189
Zillman LA, 2385
Zimarino M, 2005
Zimmermann M, 2753
Zipes DP, 675, 2574
Zoccali C, 1354
Zoghbi WA, 78°, 1537
Zotz RJ, 1579
Zouridakis EG, 1298
Zuniga G, 1317
Zuppinger C, 1551
Zurbrügg HR, 286
Zureik M, 1202, 2638
Zwinderman AH, 328, 2159

Subject Index

Volume 105, January-June 2002

A

Ablation

Characterization of Reentrant Circuits in Left Atrial Macroreentrant Tachycardia: Critical Isthmus Block Can Prevent Atrial Tachycardia Recurrence, 1934

Left Atrial Appendage Activity Masquerading as Pulmonary Vein Potentials, 2821

Acetylcholine

Enhanced Activity of Variant Phospholipase C-δ1 Protein (R257H) Detected in Patients With Coronary Artery Spasm, 2024

High-Density Lipoprotein Restores Endothelial Function in Hypercholesterolemic Men, 1399

Action potentials

Electrical Conduction in Canine Pulmonary Veins: Electrophysiological and Anatomic Correlation, 2442

Inhibition of Calcineurin and Sarcolemmal Ca²⁺ Influx Protects Cardiac Morphology and Ventricular Function in K_x4.2N Transgenic Mice, 1850

Unique Topographical Distribution of M Cells Underlies Reentrant Mechanism of Torsade de Pointes in the Long-QT Syndrome, 1247

Acute renal failure

Incidence and Prognostic Importance of Acute Renal Failure After Percutaneous Coronary Intervention, 2259

Adenosin

Selective Attenuation of Isoproterenol-Stimulated Arrhythmic Activity by a Partial Agonist of Adenosine A₁ Receptor, 118

Adenosine antagonist

BG9719 (CVT-124), an A₁ Adenosine Receptor Antagonist, Protects Against the Decline in Renal Function Observed With Diuretic Therapy, 1348

Adenovirus

Restoration of Deficient Membrane Proteins in the Cardiomyopathic Hamster by In Vivo Cardiac Gene Transfer, 502

Adenylyl cyclase

Adenylyl Cyclase: A New Target for Heart Failure Therapeutics, 1876

Adrenoreceptors

Selective Norepinephrine Reuptake Inhibition as a Human Model of Ornostatic Intolerance, 347

Aging

Aging Attenuates the Vestibulosympathetic Reflex in Humans, 956 Cardiovascular Aging Is Associated With Vitamin E Increase, 1635 Collaborative Care for Adults With Congenital Heart Disease, 2318

Determinants of Accelerated Progression of Arterial Stiffness in Normotensive Subjects and in Treated Hypertensive Subjects Over a 6-Year Period, 1202

Endothelial Cell Senescence in Human Atherosclerosis: Role of Telomere in Endothelial Dysfunction, 1541

Evaluation and Treatment of Patients With Systemic Hypertension, 2458

Mitral Ratio of Peak Early to Late Diastolic Filling Velocity as a Predictor of Mortality in Middle-Aged and Elderly Adults: The Strong Heart Study, 1928

Platelet-Derived Growth Factor-AB Limits the Extent of Myocardial Infarction in a Rat Model: Feasibility of Restoring Impaired Angiogenic Capacity in the Aging Heart, 608

Risk and Predictors of Stroke After Myocardial Infarction Among the Elderly: Results From the Cooperative Cardiovascular Project, 1082

Sarcomere Protein Gene Mutations in Hypertrophic Cardiomyopathy of the Elderly, 446

Secondary Prevention of Coronary Heart Disease in the Elderly (With Emphasis on Patients ≥75 Years of Age): An American Heart Association Scientific Statement From the Council on Clinical Cardiology Subcommittee on Exercise, Cardiac Rehabilitation, and Prevention, 1735

Survival After Coronary Revascularization in the Elderly, 2378

AHA Conference Proceedings

Executive Summary: Conference Proceeding for Healthcare Professionals From a Special Writing Group of the American Heart Association. 2231

Writing Group I: Epidemiology, e132

Writing Group II: Pathogenesis of Atherosclerosis in Diabetes, e138 Writing Group III: Risk Assessment in Persons With Diabetes, e144 Writing Group IV: Lifestyle and Medical Management of Risk Factors, e153

Writing Group V: Management of Cardiovascular-Renal Complications, e159

Writing Group VI: Revascularization in Diabetic Patients, e165

AHA Scientific Statements

Automated External Defibrillators in Health/Fitness Facilities: Supplement to the AHA/ACSM Recommendations for Cardiovascular Screening, Staffing, and Emergency Policies at Health/Fitness Facilities, 1147

Fat Substitutes and Health: An Advisory From the Nutrition Committee of the American Heart Association, 2800

Secondary Prevention of Coronary Heart Disease in the Elderly (With Emphasis on Patients ≥75 Years of Age): An American Heart Association Scientific Statement From the Council on Clinical Cardiology Subcommittee on Exercise, Cardiac Rehabilitation, and Prevention, 1735

Standardized Myocardial Segmentation and Nomenclature for Tomographic Imaging of the Heart: A Statement for Healthcare Professionals From the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association, 539

Unique Features of Infective Endocarditis in Childhood, 2115

Air pollution

Inhalation of Fine Particulate Air Pollution and Ozone Causes Acute Arterial Vasoconstriction in Healthy Adults, 1534

Passage of Inhaled Particles Into the Blood Circulation in Humans, 411

Alcohol Wine, Be

Wine, Beer, and Spirits: Are They Really Horses of a Different Color?, 2806

Aldosterone

Calcineurin Inhibition Attenuates Mineralocorticoid-Induced Cardiac Hypertrophy, 677

Anderson-Fabry disease

Prevalence of Anderson-Fabry Disease in Male Patients With Late Onset Hypertrophic Cardiomyopathy, 1407

Aneurysm

Assessment of Coronary Function in Children With a History of Kawasaki Disease Using ¹⁵O-Water Positron Emission Tomography, 2878

Coronary Magnetic Resonance Angiography in Adolescents and Young Adults With Kawasaki Disease, 908

Endovascular Aneurysm Repair: Magnetic Resonance Monitoring of Histological Organization Processes in the Excluded Aneurysm, 1995

New Insights Into the World of Matrix Metalloproteinases, 405

Stromelysin-1 (Matrix Metalloproteinase-3) and Tissue Inhibitor of Metalloproteinase-3 Are Overexpressed in the Wall of Abdominal Aortic Aneurysms, 477

Angina

Angiogenic Gene Therapy (AGENT) Trial in Patients With Stable Angina Pectoris, 1291

Effect of 3 Months of Antimicrobial Treatment With Clarithromycin in Acute Non-Q-Wave Coronary Syndrome, 1555

Inflammation and Long-Term Mortality After Non-ST Elevation Acute Coronary Syndrome Treated With a Very Early Invasive Strategy in 1042 Consecutive Patients, 1412

Inflammatory Response After Open Heart Surgery: Release of Heat-Shock Protein 70 and Signaling Through Toll-Like Receptor-4, 685

- Pharmacological Treatment of Coronary Artery Disease With Recombinant Fibroblast Growth Factor-2: Double-Blind, Randomized, Controlled Clinical Trial, 788
- Phase 1/2 Placebo-Controlled, Double-Blind, Dose-Escalating Trial of Myocardial Vascular Endothelial Growth Factor 2 Gene Transfer by Catheter Delivery in Patients With Chronic Myocardial Ischemia, 2012
- Physical Activity and Coronary Event Incidence in Northern Ireland and France: The Prospective Epidemiological Study of Myocardial Infarction (PRIME), 2247
- Randomized, Placebo-Controlled Trial of Titrated Intravenous Lamifiban for Acute Coronary Syndromes, 316
- Suppression of Coronary Artery Spasm by the Rho-Kinase Inhibitor Fasudil in Patients With Vasospastic Angina, 1545
- Withdrawal of Statins Increases Event Rates in Patients With Acute Coronary Syndromes, 1446

Angiogenesis

- Analysis of Mural Cell Recruitment to Tumor Vessels, 112
- Angiogenic Gene Therapy (AGENT) Trial in Patients With Stable Angina Pectoris, 1291
- Endothelial Progenitor Cell Vascular Endothelial Growth Factor Gene Transfer for Vascular Regeneration, 732
- Impairment of Collateral Formation in Lipoprotein(a) Transgenic Mice: Therapeutic Angiogenesis Induced by Human Hepatocyte Growth Factor Gene, 1491
- Myocardial Contrast Echocardiography Can Be Used to Assess the Microvascular Response to Vascular Endothelial Growth Factor-121, 759
- Myocardial Regeneration Therapy for Heart Failure: Hepatocyte Growth Factor Enhances the Effect of Cellular Cardiomyoplasty, 2556
- Nitric Oxide and Angiogenesis, 2133
- Pharmacological Treatment of Coronary Artery Disease With Recombinant Fibroblast Growth Factor-2: Double-Blind, Randomized, Controlled Clinical Trial, 788
- Phase 1/2 Placebo-Controlled, Double-Blind, Dose-Escalating Trial of Myocardial Vascular Endothelial Growth Factor 2 Gene Transfer by Catheter Delivery in Patients With Chronic Myocardial Ischemia, 2012
- Platelet-Derived Growth Factor-AB Limits the Extent of Myocardial Infarction in a Rat Model: Feasibility of Restoring Impaired Angiogenic Capacity in the Aging Heart, 608
- Reversal of Angiogenic Growth Factor Upregulation by Revascularization of Lower Lirab Ischemia, 67
- Statin Therapy Accelerates Reendothelialization: A Novel Effect Involving Mobilization and Incorporation of Bone Marrow-Derived Endothelial Progenitor Cells, 3017
- Stem Cells Combined With Gene Transfer for Therapeutic Vasculogenesis: Magic Bullets?, 672
- Targeting Kinin B₁ Receptor for Therapeutic Neovascularization, 360 Vascular Endothelial Growth Factor Enhances Cardiac Allograft Arteriosclerosis, 2524

Angiography

- Artifact-Free In-Stent Lumen Visualization by Standard Magnetic Resonance Angiography Using a New Metallic Magnetic Resonance Imaging Stent, 1772
- Continuous Probabilistic Prediction of Angiographically Significant
 Coronary Artery Disease Using Electron Beam Tomography,
- Coronary Collateral Size, Flow Capacity, and Growth: Estimates From the Angiogram in Patients With Obstructive Coronary Disease, 168
- Coronary Flow Velocity Reserve After Percutaneous Interventions Is Predictive of Periprocedural Outcome, 1573
- Coronary Magnetic Resonance Angiography in Adolescents and Young Adults With Kawasaki Disease, 908
- Cost-Effectiveness of a Conservative, Ischemia-Guided Management Strategy After Non-Q-Wave Myocardial Infarction: Results of a Randomized Trial, 680
- Detection of Vein Graft Disease Using High-Resolution Magnetic Resonance Angiography, 328
- Differential Influence of Diabetes Mellitus on Increased Jeopardized Myocardium After Initial Angioplasty or Bypass Surgery: Bypass Angioplasty Revascularization Investigation, 1914

- First Clinical Experience With a Paclitaxel Derivate-Eluting Polymer Stent System Implantation for In-Stent Restenosis: Immediate and Long-Term Clinical and Angiographic Outcome, 1883
- Rebuilding a Damaged Heart: Long-Term Survival of Transplanted Neonatal Rat Cardiomyocytes After Myocardial Infarction and Effect on Cardiac Function, 1720
- TIMI Myocardial Perfusion Grade and ST Segment Resolution: Association With Infarct Size as Assessed by Single Photon Emission Computed Tomography Imaging, 282
- Vessel Imaging by Interferometric Phase-Contrast X-Ray Technique,

Angioplasty

- Abciximab Attenuates Coronary Microvascular Endothelial Dysfunction After Coronary Stenting, 2981
- Augmentation of Intrapericardial Nitric Oxide Level by a Prolonged-Release Nitric Oxide Donor Reduces Luminal Narrowing After Porcine Coronary Angioplasty, 2779
- Bypass Surgery Versus Stenting for the Treatment of Multivessel Disease in Patients With Unstable Angina Compared With Stable Angina, 2367
- Differential Influence of Diabetes Mellitus on Increased Jeopardized Myocardium After Initial Angioplasty or Bypass Surgery: Bypass Angioplasty Revascularization Investigation, 1914
- Dosimetric Measurements in Isolated Human Coronary Arteries: Comparison of Commercially Available Iridium¹⁹² With Strontium/Yttrium⁹⁰ Emitters, 2493
- Early and Sustained Survival Benefit Associated With Statin Therapy at the Time of Percutaneous Coronary Intervention, 691
- Five-Year Clinical Follow-Up After Intracoronary Radiation: Results of a Randomized Clinical Trial, 2737
- Impact of Clinical Syndrome Acuity on the Differential Response to 2 Glycoprotein IIb/IIIa Inhibitors in Patients Undergoing Coronary Stenting: The TARGET Trial, 2347
- Incidence and Prognostic Importance of Acute Renal Failure After Percutaneous Coronary Intervention, 2259
- Intracoronary Brachytherapy: Past, Present, and Future, 2699
- Long-Term Clinical and Angiographic Follow-Up After Coronary Stent Placement in Native Coronary Arteries, 2986
- Minor Myocardial Damage and Prognosis: Are Spontaneous and Percutaneous Coronary Intervention-Related Events Different?, 554
- No-Reflow Phenomenon and Lesion Morphology in Patients With Acute Myocardial Infarction, 2148
- Randomized Trial of a Distal Embolic Protection Device During Percutaneous Intervention of Saphenous Vein Aorto-Coronary Bypass Grafts, 1285
- Rotational Atherectomy Does Not Reduce Recurrent In-Stent Restenosis: Results of the Angioplasty Versus Rotational Atherectomy for Treatment of Diffuse In-Stent Restenosis Trial (ARTIST), 583
- Roxithromycin Treatment Prevents Progression of Peripheral Arterial Occlusive Disease in *Chlamydia pneumoniae* Seropositive Men: A Randomized, Double-Blind, Placebo-Controlled Trial, 2646
- Sequential Follow-Up Results of Catheter Intervention for Coronary Artery Lesions After Kawasaki Disease: Quantitative Coronary Artery Angiography and Intravascular; Ultrasound Imaging Study, 3004
- Ubiquitin, Proteasome, and Restenosis: A Brave New World for Cardiovascular Research, 408

Angiotensin

- Adrenomedullin, an Endogenous Peptide, Counteracts Cardiovascular Damage, 106
- Angiotensin II Induces Tumor Necrosis Factor Biosynthesis in the Adult Mammalian Heart Through a Protein Kinase C-Dependent Pathway, 2198
- Angiotensin-(1-7) Attenuates the Development of Heart Failure After Myocardial Infarction in Rats, 1548
- Angiotensin-Converting Enzyme Inhibitors Improve Coronary Flow Reserve in Dilated Cardiomyopathy by a Bradykinin-Mediated, Nitric Oxide-Dependent Mechanism, 2785
- Angiotensingen Genotype Affects Renal and Adrenal Responses to Angiotensin II in Essential Hypertension, 1921
- Apoptosis Signal-Regulating Kinase/Nuclear Factor-kB: A Novel Signaling Pathway Regulates Cardiomyocyte Hypertrophy. 402

- Comparative Effects of Estrogen and Angiotensin-Converting Enzyme Inhibition on Plasminogen Activator Inhibitor-1 in Healthy Postmenopausal Women, 304
- Does Angiotensin-(1-7) Contribute to Cardiac Adaptation and Preservation of Endothelial Function in Heart Failure?, 1523
- Identification of a Novel Redox-Sensitive Gene, Id3, Which Mediates Angiotensin II-Induced Cell Growth, 2423
- Peroxisome Proliferator-Activated Receptor γ Plays a Critical Role in Inhibition of Cardiac Hypertrophy In Vitro and In Vivo, 1240
- Pivotal Role of a gp91^{phox}-Containing NADPH Oxidase in Angiotensin II-Induced Cardiac Hypertrophy in Mice, 293
- The AT₁-Type Angiotensin Receptor in Oxidative Stress and Atherogenesis: Part I: Oxidative Stress and Atherogenesis, 393
- The AT₁-Type Angiotensin Receptor in Oxidative Stress and Atherogenesis: Part II: AT₁ Receptor Regulation, 530
- Angiotensin II
- Antioxidative Properties of Acetylsalicylic Acid on Vascular Tissues From Normotensive and Spontaneously Hypertensive Rats, 387
- Angiotensin-converting enzyme
 - Induction of Functional Bradykinin B₁-Receptors in Normotensive Rats and Mice Under Chronic Angiotensin-Converting Enzyme Inhibitor Treatment, 627
- Anisotropy
 - Anisotropic Conduction Properties in Canine Atria Analyzed by High-Resolution Optical Mapping: Preferential Direction of Conduction Block Changes From Longitudinal to Transverse With Increasing Age, 2092
- Polymorphic Reentrant Ventricular Tachycardia in the Isolated Rabbit Heart Studied by High-Density Mapping, 3053
- Anthracyclines
- Modulation of Anthracycline-Induced Myofibrillar Disarray in Rat Ventricular Myocytes by Neuregulin-1β and Anti-erbB2: Potential Mechanism for Trastuzumab-Induced Cardiotoxicity, 1551
- Antiarrhythmia agents
 - Calmodulin Inhibitor W-7 Unmasks a Novel Electrocardiographic Parameter That Predicts Initiation of Torsade de Pointes, 770
 - Cost-Effectiveness of the Implantable Cardioverter-Defibrillator Versus Antiarrhythmic Drugs in Survivors of Serious Ventricular Tachyarrhythmias: Results of the Antiarrhythmics Versus Implantable Defibrillators (AVID) Economic Analysis Substudy, 2009.
 - Early Afterdepolarizations, U Waves, and Torsades de Pointes, 675
 - Early Protection Against Sudden Death by n-3 Polyunsaturated Fatty Acids After Myocardial Infarction: Time-Course Analysis of the Results of the Gruppo Italiano per lo Studio della Sopravvivenza nell'Infarto Miocardico (GISSI)-Prevenzione, 1897
 - Electrophysiological Mechanism of Enhanced Susceptibility of Hypertrophied Heart to Acquired Torsade de Pointes Arrhythmias: Tridimensional Mapping of Activation and Recovery Patterns.
- New Antiarrhythmic Drugs for Atrial Flutter and Atrial Fibrillation: A Conceptual Breakthrough at Last?, 276
- Quality of Life in the Antiarrhythmics Versus Implantable Defibrillators Trial: Impact of Therapy and Influence of Adverse Symptoms and Defibrillator Shocks, 589
- Antibodies
 - Maternal Anti-Ro and Anti-La Antibody-Associated Endocardial Fibroelastosis, 843
- Anticoagulants
 - Department of Veterans Affairs Cooperative Studies Program Clinical Trial Comparing Combined Warfarin and Aspirin With Aspirin Alone in Survivors of Acute Myocardial Infarction: Primary Results of the CHAMP Study, 557
- Effect of Medical Treatment in Stroke Patients With Patent Foramen Ovale: Patent Foramen Ovale in Cryptogenic Stroke Study, 2625
- Enoxaparin as Adjunctive Antithrombin Therapy for ST-Elevation Myocardial Infarction: Results of the ENTIRE-Thrombelysis in Myocardial Infarction (TIMI) 23 Trial, 1642
- First Experience With Direct Factor Xa Inhibition in Patients With Stable Coronary Disease: A Pharmacokinetic and Pharmacodynamic Evaluation, 2385
- In Vitro and In Vivo Evaluation of Oral Heparin-Loaded Polymeric Nanoparticles in Rabbits, 230
- Oral Anticoagulation for Acute Coronary Syndromes, 1270

- Patent Foramen Ovale and Recurrent Stroke: Another Paradoxical Twist, 2580
- Antigens
 - Intravenous Pulse Administration of Cyclophosphamide Is an Effective and Safe Treatment for Sensitized Cardiac Allograft Recipients, 1214
 - Neutral Endopeptidase Is Activated in Cardiomyocytes in Human Aortic Valve Stenosis and Heart Failure, 286
- Antioxidants
 - Importance of NAD(P)H Oxidase-Mediated Oxidative Stress and Contractile Type Smooth Muscle Myosin Heavy Chain SM2 at the Early Stage of Atherosclerosis, 2288
- Is the Oxidative Modification Hypothesis Relevant to Human Atherosclerosis?: Do the Antioxidant Trials Conducted to Date Refute the Hypothesis?, 2107
- Polymorphism in the 5'-Franking Region of Human Glutamate-Cysteine Ligase Modifier Subunit Gene Is Associated With Myocardial Infarction, 2968
- Vulnerable Atherosclerotic Plaque Morphology in Apolipoprotein E-Deficient Mice Unable to Make Ascorbic Acid, 1485
- Antioxidative defense
- Cardiovascular Aging Is Associated With Vitamin E Increase, 1635 Aorta
 - Acute Aortic Dissection Related to Crack Cocaine, 1592
 - Cocaine-Related Aortic Dissection in Perspective, 1529
 - Endovascular Aneurysm Repair: Magnetic Resonance Monitoring of Histological Organization Processes in the Excluded Aneurysm, 1995
 - Evaluation and Management of Patients With Aortic Stenosis, 1746 Fibrillin-1 Genotype Is Associated With Aortic Stiffness and Disease Severity in Patients With Coronary Artery Disease, 810
 - Intimomedial Interface Damage and Adventitial Inflammation Is Increased Beneath Disrupted Atherosclerosis in the Aorta: Implications for Plaque Vulnerability, 2504
 - Omapatrilat Reduces Pulse Pressure and Proximal Aortic Stiffness in Patients With Systolic Hypertension: Results of the Conduit Hemodynamics of Omapatrilat International Research Study, 2955
 - Predicting Death in Patients With Acute Type A Aortic Dissection, 200
 - Steps Toward Percutaneous Aortic Valve Replacement, 775
 - Stromelysin-1 (Matrix Metalloproteinase-3) and Tissue Inhibitor of Metalloproteinase-3 Are Overexpressed in the Wall of Abdominal Aortic Aneurysms, 477
- Apo A-I
 - Oral Administration of an Apo A-I Mimetic Peptide Synthesized From D-Amino Acids Dramatically Reduces Atherosclerosis in Mice Independent of Plasma Cholesterol, 290
- Apolipoproteins
- Functional Inhibition of Ras by S-trans,trans-Farnesyl Thiosalicylic Acid Attenuates Atherosclerosis in Apolipoprotein E Knockout Mice, 2416
- High-Density Lipoprotein Restores Endothelial Function in Hypercholesterolemic Men, 1399
- Mouse Model for Atherosclerotic Plaque Rupture, 2010
- Relationship Between Lipid Levels and Clinical Outcomes in the Long-Term Intervention With Pravastatin in Ischemic Disease (LIPID) Trial: To What Extent Is the Reduction in Coronary Events With Pravastatin Explained by On-Study Lipid Levels?, 1162
- Apoptosis
 - Activated Monocytes Induce Smooth Muscle Cell Death: Role of Macrophage Colony-Stimulating Factor and Cell Contact, 174
 - Activation of Nuclear Factor-kB Significantly Contributes to Lumen Loss in a Rabbit Iliac Artery Balloon Angioplasty Model, 633
 - Adenovirus-Mediated Heme Oxygenase-1 Gene Expression Stimulates Apoptosis in Vascular Smooth Muscle Cells, 79
 - Beneficial Effects of Long-Term Use of the Antioxidant Probucol in Heart Failure in the Rat, 2549
 - Cytosolic Heat Shock Protein 60, Apoptosis, and Myocardial Injury, 2899
 - Induction of Atherosclerotic Plaque Rupture in Apolipoprotein E^{-/} Mice After Adenovirus-Mediated Transfer of p53, 2064
 - Mouse Model for Atherosclerotic Plaque Rupture, 2010

Nitric Oxide Mediates the Antiapoptotic Effect of Insulin in Myocardial Ischemia-Reperfusion: The Roles of PI3-Kinase, Akt, and Endothelial Nitric Oxide Synthase Phosphorylation, 1497

Overexpression of a Constitutively Active Protein Kinase G Mutant Reduces Neointima Formation and In-Stent Restenosis, 2911 Protection of Human Endothelial Cells From Oxidative Stress: Role of

Ras-ERK1/2 Signaling, 968

Sensitivity to Apoptosis Signal, Clearance Rate, and Ultrastructure of Fas Ligand-Induced Apoptosis in In Vivo Adult Cardiac Cells, 3039

Statins Have Biphasic Effects on Angiogenesis, 739

T-Cell-Mediated Lysis of Endothelial Cells in Acute Coronary Syndromes, 570

Tumor Necrosis Factor- α Regulates Insulin-Like Growth Factor-1 and Insulin-Like Growth Factor Binding Protein-3 Expression in Vascular Smooth Muscle, 1220

Ubiquitin-Proteasome Pathway as a New Target for the Prevention of Restenosis, 483

Arrhythmia

Allelic Variants in Long-QT Disease Genes in Patients With Drug-Associated Torsades de Pointes, 1943

Clinical and Molecular Heterogeneity in the Brugada Syndrome: A Novel Gene Locus on Chromosome 3, 707

Clinical, Genetic, and Biophysical Characterization of SCN5A Mutations Associated With Atrioventricular Conduction Block, 341 Consequences of Atrial Tachycardia-Induced Remodeling Depend on

the Preexisting Atrial Substrate, 251

Dynamic Nature of Atrial Fibrillation Substrate During Development and Reversal of Heart Failure in Dogs, 2672

Effects of Pinacidil on Electrophysiological Properties of Epicardial Border Zone of Healing Canine Infarcts: Possible Effects of K_{ATP} Channel Activation, 2309

Electrophysiological Modulation of Cardiomyocytic Tissue by Transfected Fibroblasts Expressing Potassium Channels: A Novel Strategy to Manipulate Excitability, 522

Increased Risk of Arrhythmic Events in Long-QT Syndrome With Mutations in the Pore Region of the Human Ether-a-go-go-Related Gene Potassium Channel, 794

Interna, Cardioversion of Chronic Atrial Fibrillation During Percutaneous Mitral Commissurotomy: Insight Into Reversal of Chronic Stretch-Induced Atrial Remodeling, 2746

Management of the Patient Who Has Been Resuscitated From Sudden Cardiac Death, 2704

Mechanism of Syncope in Patients With Heart Disease and Negative Electrophysiologic Test, 2741

Na* Channel Mutation That Causes Both Brugada and Long-QT Syndrome Phenotypes: A Simulation Study of Mechanism, 1208 Novel KCNJ2 Mutation in Familial Periodic Paralysis With Ventric-

ular Dysrhythmia, 2592
Selective Attenuation of Isoproterenol-Stimulated Arrhythmic Activity by a Partial Agonist of Adenosine A₁ Receptor, 118

Successful Treatment of Amiodarone-Induced Thyrotoxicosis, 1275

Trans-Fatty Acids and Sudden Cardiac Death, 669

Unique Topographical Distribution of M Cells Underlies Reentrant Mechanism of Torsade de Pointes in the Long-QT Syndrome, 1247

Use of an Inspiratory Impedance Valve Improves Neurologically Intact Survival in a Porcine Model of Ventricular Fibrillation, 124

Arsenic

Biological Gradient Between Long-Term Arsenic Exposure and Carotid Atherosclerosis, 1804

Arteries

Coronary Thermodilution to Assess Flow Reserve: Validation in Humans, 2482

Fibrillin-1 Genotype Is Associated With Aortic Stiffness and Disease Severity in Patients With Coronary Artery Disease, 810

Fragment Reconstruction of Coronary Arteries by Transesophageal Echocardiography: A Method for Visualizing Coronary Arteries With Ultrasound, 1579

Impairment of Collateral Formation in Lipoprotein(a) Transgenic Mice: Therapeutic Angiogenesis Induced by Human Hepatocyte Growth Factor Gene, 1491

Nitric Oxide Regulates Local Arterial Distensibility In Vivo, 213

Prevention of Inflammation-Induced Endothelial Dysfunction: A Novel Vasculo-Protective Action of Aspirin, 2600 Steroid Receptor Coactivator-3 Is Required for Inhibition of Neointima Formation by Estrogen, 2653

Structure, Endothelial Function, Cell Growth, and Inflammation in Blood Vessels of Angiotensin II-Infused Rats: Role of Peroxisome Proliferator-Activated Receptor-γ, 2296

Superoxide Production and Expression of Nox Family Proteins in Human Atherosclerosis, 1429

Arteriosclerosis

Identification of Atherosclerotic Plaque Components With Intravascular Ultrasound Elastography In Vivo: A Yucatan Pig Study, 1627

Stromelysin-1 (Matrix Metalloproteinase-3) and Tissue Inhibitor of Metalloproteinase-3 Are Overexpressed in the Wall of Abdominal Aortic Aneurysms, 477

Vascular Endothelial Growth Factor Enhances Cardiac Allograft Arteriosclerosis, 2524

Aspiri

Antioxidative Properties of Acetylsalicylic Acid on Vascular Tissues From Normotensive and Spontaneously Hypertensive Rats, 387

Aspirin-Resistant Thromboxane Biosynthesis and the Risk of Myocardial Infarction, Stroke, or Cardiovascular Death in Patients at High Risk for Cardiovascular Events, 1650

Department of Veterans Affairs Cooperative Studies Program Clinical Trial Comparing Combined Warfarin and Aspirin With Aspirin Alone in Survivors of Acute Myocardial Infarction: Primary Results of the CHAMP Study, 557

Effect of Medical Treatment in Stroke Patients With Patent Foramen Ovale: Patent Foramen Ovale in Cryptogenic Stroke Study, 2625 Oral Anticoagulation for Acute Coronary Syndromes, 1270

Prevention of Inflammation-Induced Endothelial Dysfunction: A Novel Vasculo-Protective Action of Aspirin, 2600

Why Are Some Individuals Resistant to the Cardioprotective Effects of Aspirin? Could It Be Thromboxane A₂?, 1620

Atherosclerosis

Adipocyte-Derived Plasma Protein Adiponectin Acts as a Platelet-Derived Growth Factor-BB-Binding Protein and Regulates Growth Factor-Induced Common Postreceptor Signal in Vascular Smooth Muscle Cell, 2893

Aspirin-Resistant Thromboxane Biosynthesis and the Risk of Myocardial Infarction, Stroke, or Cardiovascular Death in Patients at High Risk for Cardiovascular Events. 1650

Atorvastatin Inhibits Hypercholesterolemia-Induced Cellular Proliferation and Bone Matrix Production in the Rabbit Aortic Valve, 2660

Biological Gradient Between Long-Term Arsenic Exposure and Carotid Atherosclerosis, 1804

Cigarette Smoke Exposure and Hypercholesterolemia Increase Mitochondrial Damage in Cardiovascular Tissues, 849

Cyclooxygenase-2 Promotes Early Atherosclerotic Lesion Formation in LDL Receptor-Deficient Mice, 1816

Detection of Lipid Pool, Thin Fibrous Cap, and Inflammatory Cells in Human Aortic Atherosclerotic Plaques by Near-Infrared Spectroscopy, 923

Effect of Hypercholesterolemia on Expression and Function of Vascular Soluble Guanylyl Cyclase, 855

Efficacy and Safety of a Novel Cholesteryl Ester Transfer Protein Inhibitor, JTT-705, in Humans: A Randomized Phase II Dose-Response Study, 2159

Eligibility for Lipid-Lowering Drug Therapy in Primary Prevention: How Do the Adult Treatment Panel II and Adult Treatment Panel III Guidelines Compare?, 136

Endothelial Cell Senescence in Human Atherosclerosis: Role of Telomere in Endothelial Dysfunction, 1541

Endothelin Antagonism and Interleukin-6 Inhibition Attenuate the Proatherogenic Effects of C-Reactive Protein, 1890

Enhanced Expression of the LDL Receptor Family Member LR11 Increases Migration of Smooth Muscle Cells In Vitro, 1830

Expansive Arterial Remodeling Is Associated With Increased Neointimal Macrophage Foam Cell Content: The Murine Model of Macrophage-Rich Carotid Artery Lesions, 2686

Expression of Macrophage Migration Inhibitory Factor in Different Stages of Human Atherosclerosis, 1561

Expression of Toll-Like Receptors in Human Atherosclerotic Lesions: A Possible Pathway for Plaque Activation, 1158

- Foam Cell Formation Inhibits Growth of Chlamydia pneumoniae but Does Not Attenuate Chlamydia pneumoniae-Induced Secretion of Proinflammatory Cytokines, 1976
- Functional Inhibition of Ras by S-trans,trans-Farnesyl Thiosalicylic Acid Attenuates Atherosclerosis in Apolipoprotein E Knockout Mice. 2416
- High-Density Lipoprotein Restores Endothelial Function in Hypercholesterolemic Men. 1399
- Identification of Fibrous Cap Rupture With Magnetic Resonance Imaging Is Highly Associated With Recent Transient Ischemic Attack or Stroke, 181
- Imaging Atherosclerotic Plaque Inflammation With [18F]-Fluorodeoxyglucose Positron Emission Tomography, 2708
- Impact of Infectious Burden on Extent and Long-Term Prognosis of Atherosclerosis, 15
- Importance of NAD(P)H Oxidase-Mediated Oxidative Stress and Contractile Type Smooth Muscle Myosin Heavy Chain SM2 at the Early Stage of Atherosclerosis, 2288
- In Vivo Imaging of Proteolytic Activity in Atherosclerosis, 2766
- In Vivo Temperature Heterogeneity of Atherosclerotic Plaques Is Determined by Plaque Composition, 1596
- Increased Nitric Oxide Bioavailability in Endothelial Cells Contributes to the Pleiotropic Effect of Cerivastatin, 933
- Increased Plasma C-Reactive Protein in Familial Hypoalphalipoproteinemia: A Proinflammatory Condition?, 11
- Increased Prevalence of Carotid Atherosclerosis in Hepatitis B Virus Carriers, 1028
- Induction of Atherosclerotic Plaque Rupture in Apolipoprotein E^{-/-} Mice After Adenovirus-Mediated Transfer of p53, 2064
- Inflammation and Atherosclerosis, 1135 Influence of C3 Deficiency on Atherosclerosis, 3025
- Influenza Vaccine Pilot Study in Acute Coronary Syndromes and Planned Percutaneous Coronary Interventions: The FLU Vacci-
- nation Acute Coronary Syndromes (FLUVACS) Study, 2143
 Insulin Causes Endothelial Dysfunction in Humans: Sites and Mech-
- anisms, 576
 Intimomedial Interface Damage and Adventitial Inflammation Is
 Increased Beneath Disrupted Atherosclerosis in the Aorta: Implications for Plaque Vulnerability, 2504
- Is the Oxidative Modification Hypothesis Relevant to Human Atherosclerosis?: Do the Antioxidant Trials Conducted to Date Refute the Hypothesis?, 2107
- Maternal Hypercholesterolemia During Pregnancy Promotes Early Atherogenesis in LDL Receptor-Deficient Mice and Alters Aortic Gene Expression Determined by Microarray, 1360
- Mechanisms of Increased Vascular Superoxide Production in Human Diabetes Mellitus: Role of NAD(P)H Oxidase and Endothelial Nitric Oxide Synthase, 1656
- Mental Stress Induces Prolonged Endothelial Dysfunction via Endothelin-A Receptors, 2817
- Mineralocorticoid Receptor Antagonism Improves Endothelial Function in Experimental Atherosclerosis, 2212
- Monocyte/Macrophage Regulation of Vascular Calcification In Vitro, 650
- Morphological Predictors of Arterial Remodeling in Coronary Atherosclerosis, 297
- Morphological Predictors of Restenosis After Coronary Stenting in Humans. 2974
- NADPH Oxidase Mediates Tissue Factor-Dependent Surface Procoagulant Activity by Thrombin in Human Vascular Smooth Muscle Cells, 2030
- New Insights Into the World of Matrix Metalloproteinases, 405
- Obesity Accelerates the Progression of Coronary Atherosclerosis in Young Men, 2712
- Obesity, Metabolic Syndrome, and Coronary Atherosclerosis, 2696 Oral Administration of an Apo A-I Mimetic Peptide Synthesized From
- D-Amino Acids Dramatically Reduces Atherosclerosis in Mice Independent of Plasma Cholesterol, 290 Paradoxical Pressor Effects of β -Blockers in Standing Elderly Patients
- With Mild Hypertension: A Beneficial Side Effect, 1669
 Paradoxical Reduction of Fatty Streak Formation in Mice Lacking
 Endothelial Nitric Oxide Synthase, 2078
- Patients With Glanzmann Thrombasthenia Lacking Platelet Glycoprotein α₁₁₀β₃ (GPIIb/IIIa) and α₄β₃ Receptors Are Not Protected From Atherosclerosis, 1044

- Peroxisome Proliferator-Activated Receptor α Gene Variants Influence Progression of Coronary Atherosclerosis and Risk of Coronary Artery Disease, 1440
- Platelet-Monocyte Aggregates: Bridging Thrombosis and Inflammation, 2130
- Porphyromonas gingivalis Infection Accelerates the Progression of Atherosclerosis in a Heterozygous Apolipoprotein E-Deficient Murine Model, 861
- Progression and Regression of Atherosclerotic Lesions: Monitoring With Serial Noninvasive Magnetic Resonance Imaging, 993
- Red Wine Polyphenols Inhibit Vascular Smooth Muscle Cell Migration Through Two Distinct Signaling Pathways, 2404
- Reversal of Angiogenic Growth Factor Upregulation by Revascularization of Lower Limb Ischemia, 67
- Roxithromycin Treatment Prevents Progression of Peripheral Arterial Occlusive Disease in *Chlamydia pneumoniae* Seropositive Men: A Randomized, Double-Blind, Placebo-Controlled Trial, 2646
- Serum Elastase Activity, Serum Elastase Inhibitors, and Occurrence of Carotid Atherosclerotic Plaques: The Etude sur le Vieillissement Artériel (EVA) Study, 2638
- Social Environment Influences the Progression of Atherosclerosis in the Watanabe Heritable Hyperlipidemic Rabbit, 354
- Superoxide Production and Expression of Nox Family Proteins in Human Atherosclerosis, 1429
- The AT₁-Type Angiotensin Receptor in Oxidative Stress and Atherogenesis: Part I: Oxidative Stress and Atherogenesis, 393
- The AT₁-Type Angiotensin Receptor in Oxidative Stress and Atherogenesis: Part II: AT₁ Receptor Regulation, 530
- Tumor Necrosis Factor-α Regulates Insulin-Like Growth Factor-1 and Insulin-Like Growth Factor Binding Protein-3 Expression in Vascular Smooth Muscle, 1220
- Vulnerable Atherosclerotic Plaque Morphology in Apolipoprotein E-Deficient Mice Unable to Make Ascorbic Acid, 1485

Atherosclerotic plaques

A New Paradigm for Plaque Stabilization, 2000

Athlete

Remodeling of Left Ventricular Hypertrophy in Elite Athletes After Long-Term Deconditioning, 944

Atrial fibrillation

- New Antiarrhythmic Drugs for Atrial Flutter and Atrial Fibrillation: A Conceptual Breakthrough at Last?, 276
- Percutaneous Left Atrial Appendage Occlusion (PLAATO) for Preventing Cardioembolism: First Experience in Canine Model, 2217

Atrial flutter

- Electrical Remodeling of the Atrium in an Anatomic Model of Atrial Flutter: Relationship Between Substrate and Triggers for Conversion to Atrial Fibrillation, 258
- New Antiarrhythmic Drugs for Atrial Flutter and Atrial Fibrillation: A Conceptual Breakthrough at Last?, 276
- Percutaneous Left Atrial Appendage Transcatheter Occlusion to Prevent Stroke in High-Risk Patients With Atrial Fibrillation: Early Clinical Experience, 1887

Atrium

- Anisotropic Conduction Properties in Canine Atria Analyzed by High-Resolution Optical Mapping: Preferential Direction of Conduction Block Changes From Longitudinal to Transverse With Increasing Age, 2092
- Electrical Connections Between Pulmonary Veins: Implication for Ostial Ablation of Pulmonary Veins in Patients With Paroxysmal Atrial Fibrillation, 2998
- Percutaneous Left Atrial Appendage Transcatheter Occlusion to Prevent Stroke in High-Risk Patients With Atrial Fibrillation: Early Clinical Experience, 1887
- Pulmonary Vein Isolation for Paroxysmal and Persistent Atrial Fibrillation, 1077

Automated external defibrillators

Automated External Defibrillators in Health/Fitness Facilities: Supplement to the AHA/ACSM Recommendations for Cardiovascular Screening, Staffing, and Emergency Policies at Health/Fitness Facilities, 1147

Autonom

Selective Norepinephrine Reuptake Inhibition as a Human Model of Orthostatic Intolerance, 347

Balloon

- Administration of a Decoy Against the Activator Protein-1 Binding Site Suppresses Neointimal Thickening in Rabbit Balloon-Injured Arteries, 1226
- Sequential Follow-Up Results of Catheter Intervention for Coronary Artery Lesions After Kawasaki Disease: Quantitative Coronary Artery Angiography and Intravascular; Ultrasound Imaging Study, 3004
- Systemic Inflammation Induced by Lipopolysaccharide Increases Neointimal Formation After Balloon and Stent Injury in Rabbits, 2917

Baroreceptors

- Baroreflex Buffering and Susceptibility to Vasoactive Drugs, 1459 Four Faces of Baroreflex Failure: Hypertensive Crisis. Volatile Hypertension, Orthostatic Tachycardia, and Malignant Vagotonia, 2518
- Long-Term Effects of Carotid Sinus Denervation on Arterial Blood Pressure in Humans, 1329
- Mechanism of the Blood Pressure-Raising Effect of Cocaine in Humans, 1054

Barorefley

- Selective Norepinephrine Reuptake Inhibition as a Human Model of Orthostatic Intolerance, 347
- Slow Breathing Increases Arterial Baroreflex Sensitivity in Patients With Chronic Heart Failure, 143

Beer

Meta-Analysis of Wine and Beer Consumption in Relation to Vascular Risk, 2836

Social Environment Influences the Progression of Atherosclerosis in the Watanabe Heritable Hyperlipidemic Rabbit, 354

Bilirubin

Adenovirus-Mediated Heme Oxygenase-1 Gene Expression Stimulates Apoptosis in Vascular Smooth Muscle Cells, 79

Biliverdin

Adenovirus-Mediated Heme Oxygenase-1 Gene Expression Stimulates Apoptosis in Vascular Smooth Muscle Cells, 79

Birth weight

Fetal, Infant, and Childhood Growth and Adult Blood Pressure: A Longitudinal Study From Birth to 22 Years of Age, 1088

B-Blocker

Propranolol Prevents the Development of Heart Failure by Restoring FKBP12.6-Mediated Stabilization of Ryanodine Receptor, 1374

Passage of Inhaled Particles Into the Blood Circulation in Humans, 411

Blood flow

- Assessment of Coronary Function in Children With a History of Kawasaki Disease Using 15O-Water Positron Emission Tomography, 2878
- Circulatory Support for Long-Term Treatment of Heart Failure: Experience With an Intraventricular Continuous Flow Pump,
- Coronary Pressure Measurement After Stenting Predicts Adverse Events at Follow-Up: A Multicenter Registry, 2950
- Coronary Thermodilution to Assess Flow Reserve: Validation in Humans, 2482
- Direct Evidence for Tumor Necrosis Factor-α Signaling in Arteriogenesis, 1639
- Effects of Xanthine Oxidase Inhibition With Allopurinol on Endothelial Function and Peripheral Blood Flow in Hyperuricemic Patients With Chronic Heart Failure: Results From 2 Placebo-Controlled Studies, 2619
- Mechanisms of Coronary Microcirculatory Dysfunction in Patients With Aortic Stenosis and Angiographically Normal Coronary Arteries, 470
- Relationship of the TIMI Myocardial Perfusion Grades, Flow Grades, Frame Count, and Percutaneous Coronary Intervention to Long-Term Outcomes After Thrombolytic Administration in Acute Myocardial Infarction, 1909
- Validation of Collateral Fractional Flow Reserve by Myocardial Perfusion Imaging, 1060

Blood pressure

Aging Attenuates the Vestibulosympathetic Reflex in Humans, 956

- Antecedent Blood Pressure and Risk of Cardiovascular Disease: The Framingham Heart Study, 48
- Baroreflex Buffering and Susceptibility to Vasoactive Drugs, 1459 Change in Diastolic Left Ventricular Filling After One Year of Antihypertensive Treatment: The Losartan Intervention For Endpoint Reduction in Hypertension (LIFE) Study, 1071
- Fetal, Infant, and Childhood Growth and Adult Blood Pressure: A Longitudinal Study From Birth to 22 Years of Age, 1088
- Fibrillin-1 Genotype Is Associated With Aortic Stiffness and Disease Severity in Patients With Coronary Artery Disease, 810
- Induction of Functional Bradykinin B1-Receptors in Normotensive Rats and Mice Under Chronic Angiotensin-Converting Enzyme Inhibitor Treatment, 627
- Long-Term Effects of Carotid Sinus Denervation on Arterial Blood Pressure in Humans, 1329
- Nitric Oxide Regulates Local Arterial Distensibility In Vivo, 213
- Relationship Between Treatment-Induced Changes in Left Ventricular Mass and Blood Pressure in Black African Hypertensive Patients: Results of the Baragwanath Trial, 830
- Shortened Head-Up Tilting Test Guided by Systolic Pressure Reductions in Neurocardiogenic Syncope, 146
- Slow Breathing Increases Arterial Baroreflex Sensitivity in Patients With Chronic Heart Failure, 143
- Trunk Fat and Blood Pressure in Children Through Puberty, 1093

Blood substitute

Use of a Blood Substitute to Determine Instantaneous Murine Right Ventricular Thickening With Optical Coherence Tomography, 1843

Blood volume

Detection of Noncritical Coronary Stenosis at Rest Without Recourse to Exercise or Pharmacological Stress, 218

Book Reviews

- Cardiology, e75
- Clinical Cardiac Pacing and Defibrillation, 2nd Edition, e76
- On Call Cardiology, e77

Brachytherapy

Intracoronary Brachytherapy: Past, Present, and Future, 2699

Bradykinin

- Angiotensin-Converting Enzyme Inhibitors Improve Coronary Flow Reserve in Dilated Cardiomyopathy by a Bradykinin-Mediated, Nitric Oxide-Dependent Mechanism, 2785
- Induction of Functional Bradykinin B₁-Receptors in Normotensive Rats and Mice Under Chronic Angiotensin-Converting Enzyme Inhibitor Treatment, 627
- Prevention of Inflammation-Induced Endothelial Dysfunction: A Novel Vasculo-Protective Action of Aspirin. 2600
- Reversal of Angiogenic Growth Factor Upregulation by Revascularization of Lower Limb Ischemia, 67

Brain

- Norepinephrine Turnover Is Increased in Suprabulbar Subcortical Brain Regions and Is Related to Whole-Body Sympathetic Activity in Human Heart Failure, 1031
- Use of an Inspiratory Impedance Valve Improves Neurologically Intact Survival in a Porcine Model of Ventricular Fibrillation, 124

Brugada syndrome

Cardiac Autonomic Dysfunction in Brugada Syndrome, 702 Na Channel Mutation That Causes Both Brugada and Long-QT

Syndrome Phenotypes: A Simulation Study of Mechanism, 1208 Bucindolol

Bucindolol Displays Intrinsic Sympathomimetic Activity in Human Myocardium, 2429

Bufadienolides

Endogenous Ligand of α_1 Sodium Pump, Marinobufagenin, Is a Novel Mediator of Sodium Chloride-Dependent Hypertension, 1122

Bundle-branch block

Clinical, Genetic, and Biophysical Characterization of SCN5A Muta-

tions Associated With Atrioventricular Conduction Block, 341

- Detection of Vein Graft Disease Using High-Resolution Magnetic Resonance Angiography, 328
- Endothelial Healing in Vein Grafts: Proliferative Burst Unimpaired by Genetic Therapy of Neointimal Disease, 1686
- Functional and Biochemical Analysis of Endothelial (Dys)function and NO/cGMP Signaling in Human Blood Vessels With and Without Nitroglycerin Pretreatment, 1170

- Outcomes of Patients With Acute Coronary Syndromes and Prior Coronary Artery Bypass Grafting: Results From the Platelet Glycoprotein Ilb/IIIa in Unstable Angina: Receptor Suppression Using Integrilin Therapy (PURSUIT) Trial. 322
- Sex Differences in Hospital Mortality After Coronary Artery Bypass Surgery: Evidence for a Higher Mortality in Younger Women, 1176

Bypass surgery

Differential Influence of Diabetes Mellitus on Increased Jeopardized Myocardium After Initial Angioplasty or Bypass Surgery: Bypass Angioplasty Revascularization Investigation, 1914

(

C-reactive protein

Increased Plasma C-Reactive Protein in Familial Hypoalphalipoproteinemia: A Proinflammatory Condition?, 11

Calcineurin

Calcineurin Inhibition Attenuates Mineralocorticoid-Induced Cardiac Hypertrophy, 677

Calcium

- Calcineurin Signaling in Human Cardiac Hypertrophy, 2242
- Calmodulin Inhibitor W-7 Unmasks a Novel Electrocardiographic Parameter That Predicts Initiation of Torsade de Pointes, 770
- Continuous Probabilistic Prediction of Angiographically Significant Coronary Artery Disease Using Electron Beam Tomography, 1791
- Diazoxide Opens the Mitochondrial Permeability Transition Pore and Alters Ca²⁺ Transients in Rat Ventricular Myocytes, 2666
- Effects of Cariporide and Losartan on Hypertrophy, Calcium Transients, Contractility, and Gene Expression in Congestive Heart Failure, 1380
- Enhanced Activity of Variant Phospholipase C-81 Protein (R257H) Detected in Patients With Coronary Artery Spasm, 2024
- HMG-CoA Reductase Inhibitors Suppress Intracellular Calcium Mobilization and Membrane Current Induced by Lysophosphatidylcholine in Endothelial Cells, 962
- Influence of Pyruvate on Contractile Performance and Ca²⁺ Cycling in Isolated Failing Human Myocardium, 194
- Intracellular Na * Concentration Is Elevated in Heart Failure But Na/K Pump Function Is Unchanged, 2543
- Progression of Heart Failure: Is Protein Kinase A Hyperphosphorylation of the Ryanodine Receptor a Contributing Factor?, 272
- Proprandoll Prevents the Development of Heart Failure by Restoring FKBP12.6-Mediated Stabilization of Ryanodine Receptor. 1374
- Targeting Phospholamban by Gene Transfer in Human Heart Failure, 904

Cardiac arrest

- Automated External Defibrillators in Health/Fitness Facilities: Supplement to the AHA/ACSM Recommendations for Cardiovascular Screening, Staffing, and Emergency Policies at Health/Fitness Facilities, 1147
- Use of an Inspiratory Impedance Valve Improves Neurologically Intact Survival in a Porcine Model of Ventricular Fibrillation, 124

Cardiac output

Still Stressed Out but Doing Fine: Normalization of Wall Stress Is Superflucus to Maintaining Cardiac Function in Chronic Pressure Overload. 8

Cardiac volume

Left Ventricular Volume Reduction by Radiofrequency Heating of Chronic Myocardial Infarction in Patients With Congestive Heart Failure, 1317

Cardiology Patient Page

- Cardiac Pacemakers From the Patient's Perspective, 2136
- Restenosis: Repeat Narrowing of a Coronary Artery: Prevention and Treatment, 2586
- The Implantable Cardioverter-Defibrillator: Patient Perspective, 1022 The Long-QT Syndrome, 784

Cardiomyopathy

- Accelerated Cardiomyopathy in Mice With Overexpression of Cardiac $G_s\alpha$ and a Missense Mutation in the α -Myosin Heavy Chain, 614
- Angiotensin-Converting Enzyme Inhibitors Improve Coronary Flow Reserve in Dilated Cardiomyopathy by a Bradykinin-Mediated, Nitric Oxide-Dependent Mechanism, 2785

- Assessment of Diastolic Function With Doppler Tissue Imaging to Predict Genotype in Preclinical Hypertrophic Cardiomyopathy,
- Calcineurin in Human Heart Hypertrophy, 2265
- Carvedilol Decreases Elevated Oxidative Stress in Human Failing Myocardium, 2867
- Disrobing the Emperor (Heart) Without Destroying the Dignity of Super-Normality, 2934
- Inhibition of Calcineurin and Sarcolemmal Ca²⁺ Influx Protects Cardiac Morphology and Ventricular Function in K₂4.2N Transgenic Mice, 1850
- Maternal Anti-Ro and Anti-La Antibody-Associated Endocardial Fibroelastosis, 843
- Metavinculin Mutations Alter Actin Interaction in Dilated Cardiomyopathy, 431
- Myosin Light Chain Mutation Causes Autosomal Recessive Cardiomyopathy With Mid-Cavitary Hypertrophy and Restrictive Physiology, 2337
- Neutral Endopeptidase Is Activated in Cardiomyocytes in Human Aortic Valve Stenosis and Heart Failure, 286
- Prevalence of Anderson-Fabry Disease in Male Patients With Late Onset Hypertrophic Cardiomyopathy, 1407
- Primary Prevention of Sudden Cardiac Death in Idiopathic Dilated Cardiomyopathy: The Cardiomyopathy Trial (CAT), 1453
- Prognostic Role of Myocardial Blood Flow Impairment in Idiopathic Left Ventricular Dysfunction, 186
- Restoration of Deficient Membrane Proteins in the Cardiomyopathic Hamster by In Vivo Cardiac Gene Transfer, 502
- Sarcomere Protein Gene Mutations in Hypertrophic Cardiomyopathy of the Elderly, 446

Cardiopulmonary bypass

- Cardiopulmonary Bypass Induces Release of Soluble CD40 Ligand, 2849
- Inflammatory Response After Open Heart Surgery: Release of Heat-Shock Protein 70 and Signaling Through Toll-Like Receptor-4, 685

Cardiopulmonary resuscitation

- Effects of Interrupting Precordial Compressions on the Calculated Probability of Defibrillation Success During Out-of-Hospital Cardiac Arrest, 2270
- Importance of Continuous Chest Compressions During Cardiopulmonary Resuscitation: Improved Outcome During a Simulated Single Lay-Rescuer Scenario, 645
- Use of an Inspiratory Impedance Valve Improves Neurologically Intact Survival in a Porcine Model of Ventricular Fibrillation, 124

Cardiotoxicity

Modulation of Anthracycline-Induced Myofibrillar Disarray in Rat Ventricular Myocytes by Neuregulin-1β and Anti-erbB2: Potential Mechanism for Trastuzumab-Induced Cardiotoxicity, 1551

Cardiovascular diseases

- Adaptation and Maladaptation of the Heart in Diabetes: Part I: General Concepts, 1727
- Adaptation and Maladaptation of the Heart in Diabetes: Part II: Potential Mechanisms, 1861
- Antecedent Blood Pressure and Risk of Cardiovascular Disease: The Framingham Heart Study, 48
- Atorvastatin Inhibits Hypercholesterolemia-Induced Cellular Proliferation and Bone Matrix Production in the Rabbit Aortic Valve, 2660
- Cardiovascular Aging Is Associated With Vitamin E Increase, 1635 Effect of Hypercholesterolemia on Expression and Function of Vascular Soluble Guanylyl Cyclase, 855
- Efficacy and Safety of a Novel Cholesteryl Ester Transfer Protein Inhibitor, JTT-705, in Humans: A Randomized Phase II Dose-Response Study, 2159
- Elevated C-Reactive Protein in Patients With Obstructive Sleep Apnea, 2462
- Executive Summary: Conference Proceeding for Healthcare Professionals From a Special Writing Group of the American Heart Association, 2231
- Fundamentals of Endothelial Function for the Clinical Cardiologist, 546
- Heat Shock Proteins, Inflammation, and Cardiovascular Disease, 1012 Meta-Analysis of Wine and Beer Consumption in Relation to Vascular Risk, 2836

- Porphyromonas gingivalis Infection Accelerates the Progression of Atherosclerosis in a Heterozygous Apolipoprotein E-Deficient Murine Model, 861
- Weight Loss Reduces C-Reactive Protein Levels in Obese Postmenopausal Women, 564
- Wine, Beer, and Spirits: Are They Really Horses of a Different Color?, 2806

Cardiovascular News

Meeting Highlights: American Heart Association Scientific Sessions 2001, e37

Cardiovascular nursing

Home-Based Intervention in Congestive Heart Failure: Long-Term Implications on Readmission and Survival, 2861

Cardioversion

Internal Cardioversion of Chronic Atrial Fibrillation During Percutaneous Mitral Commissurotomy: Insight Into Reversal of Chronic Stretch-Induced Atrial Remodeling, 2746

Carotid arteries

- Carotid Plaques Increase the Risk of Stroke and Subtypes of Cerebral Infarction in Asymptomatic Elderly: The Rotterdam Study, 2872
- Identification of Fibrous Cap Rupture With Magnetic Resonance Imaging Is Highly Associated With Recent Transient Ischemic Attack or Stroke, 181
- Impact of Infectious Burden on Extent and Long-Term Prognosis of Atherosclerosis, 15
- Induction of Atherosclerotic Plaque Rupture in Apolipoprotein E^{-/} Mice After Adenovirus-Mediated Transfer of p53, 2064
- Patients With Glanzmann Thrombasthenia Lacking Platelet Glycoprotein $\alpha_{00}\beta_3$ (GPIIb/IIIa) and $\alpha_x\beta_3$ Receptors Are Not Protected From Atherosclerosis, 1044
- Roxithromycin Treatment Prevents Progression of Peripheral Arterial Occlusive Disease in *Chlamydia pneumoniae* Seropositive Men: A Randomized, Double-Blind, Placebo-Controlled Trial, 2646
- Switching off Embolization From Symptomatic Carotid Plaque Using S-Nitrosoglutathione, 1480

Carotid sinus

Long-Term Effects of Carotid Sinus Denervation on Arterial Blood Pressure in Humans, 1329

Pressure Catecholamines

- Acute Aortic Dissection Related to Crack Cocaine, 1592
- Selective Norepinephrine Reuptake Inhibition as a Human Model of Orthostatic Intolerance, 347

Cathensin B

- In Vivo Imaging of Proteolytic Activity in Atherosclerosis, 2766 Catheter ablation
- Electrical Connections Between Pulmonary Veins: Implication for Ostial Ablation of Pulmonary Veins in Patients With Paroxysmal Atrial Fibrillation, 2998
- Electroanatomic Substrate of Idiopathic Left Ventricular Tachycardia:
 Unidirectional Block and Macroreentry Within the Purkinje
 Network, 462
- Isthmus Characteristics of Reentrant Ventricular Tachycardia After Myocardial Infarction, 726
- Pulmonary Vein Isolation for Paroxysmal and Persistent Atrial Fibrillation, 1077

Catheterization

- Catheter-Based Endomyocardial Injection With Real-Time Magnetic Resonance Imaging, 1282
- Characterization of Reentrant Circuits in Left Atrial Macroreentrant Tachycardia: Critical Isthmus Block Can Prevent Atrial Tachycardia Recurrence, 1934

Catheters

In Vivo Temperature Heterogeneity of Atherosclerotic Plaques Is Determined by Plaque Composition, 1596

Celiac disease

Celiac Disease Associated With Autoimmune Myocarditis, 2611

Cell adhesion molecules

- Activated Monocytes Induce Smooth Muscle Cell Death: Role of Macrophage Colony-Stimulating Factor and Cell Contact, 174
- Advanced Glycation End Products Activate Endothelium Through Signal-Transduction Receptor RAGE: A Mechanism for Amplification of Inflammatory Responses, 816
- Effect of Azithromycin Treatment on Endothelial Function in Patients
 With Coronary Artery Disease and Evidence of *Chlamydia*pneumoniae Infection, 1298

- Effect of Medroxyprogesterone Acetate on Vascular Inflammatory Markers in Postmenopausal Women Receiving Estrogen, 1436
- Endothelin Antagonism and Interleukin-6 Inhibition Attenuate the Proatherogenic Effects of C-Reactive Protein, 1890
- Increased Platelet Binding to Circulating Monocytes in Acute Coronary Syndromes. 2166
- Myocardial Regeneration Therapy for Heart Failure: Hepatocyte Growth Factor Enhances the Effect of Cellular Cardiomyoplasty, 2556
- Reduction of Inflammatory Cytokine Concentrations and Improvement of Endothelial Functions in Obese Women After Weight Loss Over One Year, 804
- Suppression of Murine Cardiac Allograft Arteriopathy by Long-Term Blockade of CD40-CD154 Interactions, 1609

Cells

- Analysis of Mural Cell Recruitment to Tumor Vessels, 112
- Bone Marrow-Derived Regenerated Cardiomyocytes (CMG Cells) Express Functional Adrenergic and Muscarinic Receptors, 380
- Cellular Cardiomyoplasty Improves Survival After Myocardial Injury, 2435
- Cytosolic Heat Shock Protein 60, Apoptosis, and Myocardial Injury, 2899
- Essential Zole of Monocyte Chemoattractant Protein-1 in Development of Restenotic Changes (Neointimal Hyperplasia and Constrictive Remodeling) After Balloon Angioplasty in Hypercholesterolemic Rabbits, 2905
- Foam Cell Formation Inhibits Growth of Chlamydia pneumoniae but Does Not Attenuate Chlamydia pneumoniae-Induced Secretion of Proinflammatory Cytokines, 1976
- Identification of a Novel Redox-Sensitive Gene, Id3, Which Mediates Angiotensin II-Induced Cell Growth, 2423
- Increased Expression of Macrophage Colony-Stimulating Factor After Coronary Artery Balloon Injury Is Inhibited by Intracoronary Brachytherapy, 2411
- Intravenous Pulse Administration of Cyclophosphamide Is an Effective and Safe Treatment for Sensitized Cardiac Allograft Recip-
- Myocardial Regeneration Therapy for Heart Failure: Hepatocyte Growth Factor Enhances the Effect of Cellular Cardiomyoplasty, 2556
- Rebuilding a Damaged Heart: Long-Term Survival of Transplanted Neonatal Rat Cardiomyocytes After Myocardial Infarction and Effect on Cardiac Function, 1720
- Statin Therapy Accelerates Reendothelialization: A Novel Effect Involving Mobilization and Incorporation of Bone Marrow-Derived Endothelial Progenitor Cells, 3017
- Stem Cells Combined With Gene Transfer for Therapeutic Vasculogenesis: Magic Bullets?, 672
- Tumor Necrosis Factor-α Regulates Insulin-Like Growth Factor-1 and Insulin-Like Growth Factor Binding Protein-3 Expression in Vascular Smooth Muscle, 1220

Cerebral ischemia

Transcatheter Closure of Interatrial Communications for Secondary Prevention of Paradoxical Embolism: Single-Center Experience, 2845

Cholesterol

- Coronary Heart Disease in Patients With Low LDL-Cholesterol: Benefit of Pravastatin in Diabetics and Enhanced Role for HDL-Cholesterol and Triglycerides as Risk Factors, 1424
- Dietary Prescriptions to Control Dyslipidemias, 132
- Effects of Cholesterol and Inflammation-Sensitive Plasma Proteins on Incidence of Myocardial Infarction and Stroke in Men, 2632
- Efficacy and Safety of a Novel Cholesteryl Ester Transfer Protein Inhibitor, JTT-705, in Humans: A Randomized Phase II Dose-Response Study, 2159
- Efficacy and Safety of Ezetimibe Coadministered With Atorvastatin or Simvastatin in Patients With Homozygous Familial Hypercholesterolemia, 2469
- Eligibility for Lipid-Lowering Drug Therapy in Primary Prevention: How Do the Adult Treatment Panel II and Adult Treatment Panel III Guidelines Compare?, 136
- Fluvastatin, a 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Inhibitor, Attenuates Left Ventricular Remodeling and Failure After Experimental Myocardial Infarction, 868

- High-Density Lipoprotein Restores Endothelial Function in Hypercholesterolemic Men. 1399
- Homocysteine Induces 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase in Vascular Endothelial Cells: A Mechanism for Develoment of Atherosclerosis?, 1037
- Increased Nitric Oxide Bioavailability in Endothelial Cells Contributes to the Pleiotropic Effect of Cerivastatin, 933
- Inflammatory Biomarkers, Statins, and the Risk of Stroke: Cracking a Clinical Conundrum, 2583
- New National Cholesterol Education Program III Guidelines for Primary Prevention Lipid-Lowering Drug Therapy: Projected Impact on the Size, Sex, and Age Distribution of the Treatment-Eligible Population, 152
- Relationship Between Lipid Levels and Clinical Outcomes in the Long-Term Intervention With Pravastatin in Ischemic Disease (LIPID) Trial: To What Extent Is the Reduction in Coronary Events With Pravastatin Explained by On-Study Lipid Levels?, 1162
- Simple Scoring Scheme for Calculating the Risk of Acute Coronary Events Based on the 10-Year Follow-Up of the Prospective Cardiovascular Münster (PROCAM) Study, 310
- Statin Therapy: Beyond Cholesterol Lowering and Antiinflammatory Effects, 2937
- Statins: Powerful Drugs for Lowering Cholesterol: Advice for Patients, 1514

Circulation

- Incidence, Morphology, Angiographic Findings, and Outcomes of Intramural Hematomas After Percutaneous Coronary Interventions: An Intravascular Ultrasound Study, 2037
- Suppression of Coronary Artery Spasm by the Rho-Kinase Inhibitor Fasudil in Patients With Vasospastic Angina, 1545

Clinician Update

- Contemporary Medical Options for Treating Patients With Heart Failure, 2244
- Fundamentals of Reperfusion Injury for the Clinical Cardiologist, 2332
- Management of Effusive and Constrictive Pericardial Heart Disease, 2939

Cocaine

- Acute Aortic Dissection Related to Crack Cocaine, 1592
- Cocaine-Related Aortic Dissection in Perspective, 1529
- Mechanism of the Blood Pressure-Raising Effect of Cocaine in

Collagen

- Losartan-Dependent Regression of Myocardial Fibrosis Is Associated With Reduction of Left Ventricular Chamber Stiffness in Hypertensive Patients, 2512
- Platelets Activated by Collagen Through Immunoreceptor Tyrosine-Based Activation Motif Play Pivotal Role in Initiation and Generation of Neointimal Hyperplasia After Vascular Injury, 912
- Vitamin C, Collagen, and Cracks in the Plaque, 1396
- Vulnerable Atherosclerotic Plaque Morphology in Apolipoprotein E-Deficient Mice Unable to Make Ascorbic Acid, 1485

Collateral circulation

- Angiogenic Gene Therapy (AGENT) Trial in Patients With Stable Angina Pectoris, 1291
- Angiostatin Inhibits Coronary Angiogenesis During Impaired Production of Nitric Oxide, 2185
- Coronary Collateral Size, Flow Capacity, and Growth: Estimates From the Angiogram in Patients With Obstructive Coronary Disease,
- Decreased Cardiac Expression of Vascular Endothelial Growth Factor and Its Receptors in Insulin-Resistant and Diabetic States: A Possible Explanation for Impaired Collateral Formation in Cardiac Tissue, 373
- Direct Evidence for Tumor Necrosis Factor-α Signaling in Arteriogenesis, 1639
- Validation of Collateral Fractional Flow Reserve by Myocardial Perfusion Imaging, 1060

Complement

Influence of C3 Deficiency on Atherosclerosis, 3025

Computers

Atrio-Sinus Interaction Demonstrated by Blockade of the Rapid Delayed Rectifier Current, 880

Congenital

Collaborative Care for Adults With Congenital Heart Disease, 2318

Congestive heart failure

- BG9719 (CVT-124), an A₁ Adenosine Receptor Antagonist, Protects Against the Decline in Renal Function Observed With Diuretic Therapy, 1348
- Home-Based Intervention in Congestive Heart Failure: Long-Term Implications on Readmission and Survival, 2861

Contractility

- Cardiac Nitric Oxide Synthase 1 Regulates Basal and β-Adrenergic Contractility in Murine Ventricular Myocytes, 3011
- Cellular Cardiomyoplasty Improves Survival After Myocardial Injury, 2435
- Doppler-Derived Myocardial Systolic Strain Rate Is a Strong Index of Left Ventricular Contractility, 99
- Genetic Alterations That Inhibit In Vivo Pressure-Overload Hypertrophy Prevent Cardiac Dysfunction Despite Increased Wall Stress, 85
- Influence of Pyruvate on Contractile Performance and Ca²⁺ Cycling in Isolated Failing Human Myocardium, 194
- Inhibition of Calcineurin and Sarcolemmal Ca²⁺ Influx Protects Cardiac Morphology and Ventricular Function in K_x4.2N Transgenic Mice, 1850
- Progression of Heart Failure: Is Protein Kinase A Hyperphosphorylation of the Ryanodine Receptor a Contributing Factor?, 272
- Role of Myocardial Inducible Nitric Oxide Synthase in Contractile Dysfunction and β-Adrenergic Hyporesponsiveness in Rats With Experimental Volume-Overload Heart Failure, 236
- Selective Attenuation of Isoproterenol-Stimulated Arrhythmic Activity by a Partial Agonist of Adenosine A₁ Receptor, 118
- Specific β₂AR Blocker ICI 118,551 Actively Decreases Contraction Through a G₁-Coupled Form of the β₂AR in Myocytes From Failing Human Heart, 2497
- Validation of Myocardial Acceleration During Isovolumic Contraction as a Novel Noninvasive Index of Right Ventricular Contractility: Comparison With Ventricular Pressure-Volume Relations in an Animal Model. 1693

Contrast media

- Left Ventricular Thrombus Enhancement After Intravenous Injection of Echogenic Immunoliposomes: Studies in a New Experimental Model. 2772
- Myocardial Magnetic Resonance Imaging Contrast Agent Concentrations After Reversible and Irreversible Ischemic Injury, 224
- Vessel Imaging by Interferometric Phase-Contrast X-Ray Technique, 1708

Coronary artery anomalies

Coronary Anomalies: Incidence, Pathophysiology, and Clinical Relevance, 2449

Coronary artery disease

- Coronary Thermodilution to Assess Flow Reserve: Validation in Humans, 2482
- Mild Renal Insufficiency Is Associated With Angiographic Coronary Artery Disease in Women, 2826

Coronary disease

- Assessment of Myocardial Viability With Contrast-Enhanced Magnetic Resonance Imaging: Comparison With Positron Emission Tomography, 162
- Augmentation of Intrapericardial Nitric Oxide Level by a Prolonged-Release Nitric Oxide Donor Reduces Luminal Narrowing After Porcine Coronary Angioplasty, 2779
- Common Estrogen Receptor Polymorphism Augments Effects of Hormone Replacement Therapy on E-Selectin but Not C-Reactive Protein, 1879
- Conservative Management of Acute Coronary Syndrome: Cheaper and Better for You?, 666
- Continuous Probabilistic Prediction of Angiographically Significant Coronary Artery Disease Using Electron Beam Tomography, 1791
- Coronary Anomalies: Incidence, Pathophysiology, and Clinical Relevance, 2449
- Coronary Heart Disease in Patients With Low LDL-Cholesterol: Benefit of Pravastatin in Diabetics and Enhanced Role for HDL-Cholesterol and Triglycerides as Risk Factors, 1424
- Direct Thrombin Inhibitors in Acute Coronary Syndromes: Present and Future, 1004

- Do Increased Proinsulin Concentrations Explain the Excess Risk of Coronary Heart Disease in Diabetic and Prediabetic Subjects?, 2008
- Dosimetric Measurements in Isolated Human Coronary Arteries: Comparison of Commercially Available Iridium¹⁹² With Strontium/Yttrium⁹⁰ Emitters, 2493
- Early and Sustained Survival Benefit Associated With Statin Therapy at the Time of Percutaneous Coronary Intervention, 691
- Early Protection Against Sudden Death by n-3 Polyunsaturated Fatty Acids After Myocardial Infarction: Time-Course Analysis of the Results of the Gruppo Italiano per lo Studio della Sopravvivenza nell'Infarto Miocardico (GISSI)-Prevenzione, 1897
- Effect of 3 Months of Antimicrobial Treatment With Clarithromycin in Acute Non-Q-Wave Coronary Syndrome, 1555
- Effect of Abciximab on Prothrombin Activation and Thrombin Generation in Acute Coronary Syndromes Without ST-Segment Elevation: Global Utilization of Strategies to Open Occluded Coronary Arteries Trial IV in Acute Coronary Syndromes (GUSTO IV ACS) Italian Hematologic Substudy, 928
- Elevated C-Reactive Protein Values and Atherosclerosis in Sudden Coronary Death: Association With Different Pathologies, 2019
- Enhanced Contractile Mechanisms in Vasospasm: Is Endothelial Dysfunction the Whole Story?, 1520
- Evaluation and Treatment of Patients With Systemic Hypertension, 2458
- Fibrillin-1 Genotype Is Associated With Aortic Stiffness and Disease Severity in Patients With Coronary Artery Disease, 810
- First Experience With Direct Factor Xa Inhibition in Patients With Stable Coronary Disease: A Pharmacokinetic and Pharmacodynamic Evaluation, 2385
- Folic Acid Improves Endothelial Function in Coronary Artery Disease via Mechanisms Largely Independent of Homocysteine Lowering. 22
- Fragment Reconstruction of Coronary Arteries by Transesophageal Echocardiography: A Method for Visualizing Coronary Arteries With Ultrasound, 1579
- With Ultrasound, 1579
 Impact of Infectious Burden on Extent and Long-Term Prognosis of Atherosclerosis, 15
- Incidence and Prognostic Importance of Acute Renal Failure After Percutaneous Coronary Intervention, 2259
- Increased Platelet Binding to Circulating Monocytes in Acute Coronary Syndromes, 2166
- Is the Oxidative Modification Hypothesis Relevant to Human Atherosclerosis?: Do the Antioxidant Trials Conducted to Date Refute the Hypothesis?, 2107
- Late Vascular Response to Repeat Stenting for In-Stent Restenosis With and Without Radiation: An Intravascular Ultrasound Volumetric Analysis, 2465
- Loss of Preconditioning by Attenuated Activation of Myocardial ATP-Sensitive Potassium Channels in Elderly Patients Undergoing Coronary Angioplasty, 334
- Magnetic Resonance-Guided Coronary Artery Stent Placement in a Swine Model, 874
- Mental Stress-Induced Ischemia and All-Cause Mortality in Patients With Coronary Artery Disease: Results From the Psychophysiological Investigations of Myocardial Ischemia Study, 1780
- Morphological Predictors of Arterial Remodeling in Coronary Atherosclerosis, 297
- Multimarker Approach to Risk Stratification in Non-ST Elevation Acute Coronary Syndromes: Simultaneous Assessment of Troponin I, C-Reactive Protein, and B-Type Natriuretic Peptide, 1760
- Myocardial Contrast Echocardiography Can Be Used to Assess the Microvascular Response to Vascular Endothelial Growth Factor-121, 759
- Myocardial Infarct: No One Size Fits All, 2577
- Outcomes of Patients With Acute Coronary Syndromes and Prior Coronary Artery Bypass Grafting: Results From the Platelet Glycoprotein Ilb/IIIa in Unstable Angina: Receptor Suppression Using Integrilin Therapy (PURSUIT) Trial, 322
- Outcomes of Patients With Chronic Renal Insufficiency in the Bypass Angioplasty Revascularization Investigation, 2253
- Peroxisome Proliferator-Activated Receptor α Gene Variants Influence Progression of Coronary Atherosclerosis and Risk of Coronary Artery Disease, 1440

- Pharmacological Treatment of Coronary Artery Disease With Recombinant Fibroblast Growth Factor-2: Double-Blind, Randomized, Controlled Clinical Trial, 788
- Physical Activity and Coronary Event Incidence in Northern Ireland and France: The Prospective Epidemiological Study of Myocardial Infarction (PRIME), 2247
- Plasma Homocysteine and Parental Myocardial Infarction in Young Adults in Jerusalem, 2725
- Prevention of Coronary Heart Disease by Diet and Lifestyle: Evidence From Prospective Cross-Cultural, Cohort, and Intervention Studies, 893
- Relationship Between Coronary Artery Remodeling and Plaque Vulnerability, 939
- Relationship Between Lipid Levels and Clinical Outcomes in the Long-Term Intervention With Pravastatin in Ischemic Disease (LIPID) Trial: To What Extent Is the Reduction in Coronary Events With Pravastatin Explained by On-Study Lipid Levels?, 1162
- Secondary Prevention of Coronary Heart Disease in the Elderly (With Emphasis on Patients >75 Years of Age): An American Heart Association Scientific Statement From the Council on Clinical Cardiology Subcommittee on Exercise, Cardiac Rehabilitation, and Prevention, 1735
- Sex Differences in the Association Between Proinsulin and Intact Insulin With Coronary Heart Disease in Nondiabetic Older Adults: The Rancho Bernardo Study, 1311
- Statin Therapy Accelerates Reendothelialization: A Novel Effect Involving Mobilization and Incorporation of Bone Marrow-Derived Endothelial Progenitor Cells, 3017
- Statin Therapy, Cardiovascular Events, and Total Mortality in the Heart and Estrogen/Progestin Replacement Study (HERS), 2962
- Subgroup Interactions in the Heart and Estrogen/Progestin Replacement Study: Lessons Learned, 917
- Superoxide Production and Expression of Nox Family Proteins in Human Atherosclerosis, 1429
- Survival After Coronary Revascularization in the Elderly, 2378
- T-Cell-Mediated Lysis of Endothelial Cells in Acute Coronary Syndromes, 570
- Withdrawal of Statins Increases Event Rates in Patients With Acute Coronary Syndromes, 1446

Coronary heart disease

- Obesity Accelerates the Progression of Coronary Atherosclerosis in Young Men, 2712
- Proinsulin Is an Independent Predictor of Coronary Heart Disease: Report From a 27-Year Follow-Up Study, 2153

Correspondence

- A Pill for Every III: Letter to the editor, e82. Response to letter, e82. Abciximab Suppresses the Rise in Levels of Circulating Inflammatory Markers After Percutaneous Coronary Revascularization: Letter to the editor, e74. Response to letter, e74.
- Activating Effects of GPIIb/IIIa Blockers: An Intrinsic Consequence of Ligand-Mimetic Properties: Letter to the editor, e180. Response to letter, e180
- Anomalous Pulmonary Origin of the Left Coronary Artery: Letter to the editor, e63. Response to letter, e63
- C-Reactive Protein and Cardiovascular Diseases in Andean Population: Letter to the editor, e10
- Cardiac Energetics in Congestive Heart Failure: Letter to the editor, e44. Response to letter, e44
- Cerivastatin and Endothelial Function in Elderly Patients With Diabetes Mellitus: Letter to the editor, e32. Response to letter, e33
- Cerivastatin, a Hydroxymethylglutaryl Coenzyme A Reductase Inhibitor, Improves Endothelial Function in Elderly Diabetic Patients
- Within 3 Days: Letter to the editor, e30. Response to letter, e31 Chlamydia pneumoniae Infection Atherosclerosis: Methodological Considerations: Letter to the editor, e34. Response to letter, e34
- Chronic Immune Stimulation May Link Ischemic Heart Disease With Depression: Letter to the editor, e83
- Coating Stents With Antirestenotic Drugs: The Blunderbuss or the Magic Bullet?: Letter to the editor, e29. Response to letter, e29
- Magic Bullet?: Letter to the editor, e.29. Response to letter, e.29 Consider Cardiomyopathy in Subjects With Familial Partial Lipodystrophy: Letter to the editor, e7. Response to letter, e7
- Demonstration of the Exact Anatomic Tachycardia Circuit in the Fast-Slow Form of Atrioventricular Nodal Reentrant Tachycardia: Letter to the editor, e80. Response to letter, e80

- Dietary Protein and Weight Reduction: Letter to the editor, e128. Response to letter, e128
- Does Reduced Vascular Stiffening Fully Explain Preserved Cardiovagal Baroreflex Function in Older Physically Active Men?: Letter to the editor, e11. Response to letter, e11
- Effect of Ramipril and Vitamin E on Atherosclerosis: Letter to the editor, e5. Response to letter, e5
- Electrical Conduction Between Pulmonary Veins: Electrical Connection or Common Ostium? Letter to the editor, e62. Response to letter, e62
- Emergency Department and Hospital Preventive Care of Elderly Next of Kin of Victims of Sudden Cardiac Death and Fatal Acute Myocardial Infarction: Letter to the editor, e191
- Endothelin 1 Type A Receptor Antagonism Prevents Vascular Dysfunction and Hypertension Induced by 11β-Hydroxysteroid Dehydrogenase Inhibition: Role of Nitric Oxide: Letter to the editor, e126. Response to letter, e126
- Eptifibatide and 7E3, but Not Tirofiban, Inhibit α,β3 Integrin-Mediated Binding of Smooth Muscle Cells to Thrombospondin and Prothrombin: Letter to the editor, e46. Response to letter, e46
- Giant Left Atrium Associated With Mitral Valve Prolapse: Letter to the editor, e190. Response to letter, e190
- Heart Failure With a Normal Ejection Fraction: Letter to the editor, e48. Response to letter, e48
- Heme Oxygenase-1-Mediated Protection: Potential Role of Nonheme Iron-Nitric Oxide Complexes: Letter to the editor, e196. Response to letter, e196
- Hormone Replacement Therapy and Cardiovascular Disease: A Statement for Healthcare Professionals From the American Heart Association: Letter to the editor, e71. Response to letter, e72
- Immunopathogenesis of Atherosclerosis: Letter to the editor, e64, Response to letter, e64
- Inverse Relationship Between Volume and Outcome in Coronary Angioplasty: What Are the Implications for Clinical Practice?: Letter to the editor, e173
- Iron Contributes to Endothelial Dysfunction in Acute Ischemic Syndromes: Letter to the editor, e35
- Isoprotrenol Activates Extracellular Signal-Regulated Protein Kinases in Cardiomyocytes Through Calcineurin: Letter to the editor, e9. Response to letter, e9
- Large Artery Stiffness and Baroreflex Function: Letter to the editor, e56. Response to letter, e56
- Long-Term Prognostic Value of Coronary Calcification Detected by Electron Beam Computed Tomography in Patients Undergoing Coronary Arteriography: Letter to the editor, e127. Response to letter, e127
- Looking for Diastolic Dysfunction: Letter to the editor, e189. Response to letter, e189
- Mechanisms of Platypnea-Orthodeoxia: What Causes Water to Flow Uphill?: Letter to the editor, e47. Response to letter, e47
- Myocardial and Cerebral Injury After Off-Pump Coronary Artery Surgery: Letter to the editor, e174. Response to letter, e174
- Neuropsychological Outcome After Off-Pump Versus On-Pump Coronary Bypass Surgery: the Octopus Randomized Trial: Letter to the editor, e179. Response to letter, e179
- New Concepts in Hypertrophic Cardiomyopathies: Letter to the editor, e188. Response to letter, e188
- Off-Pump Versus On-Pump Coronary Bypass Surgery: Letter to the editor, e198. Response to letter, e198
- On the Mechanisms by Which Human Apolipoprotein A-II Gene Variability Relates to Hypertriglyceridemia: Letter to the editor, e129. Response to letter, e129
- Paradoxical Clinical Value of Another Smoker's Paradox: Letter to the editor, e55. Response to letter, e55
- Plant Foods Have a Complete Amino Acid Composition: Letter to the editor, e197. Response to letter, e197
- Prognostic Implications of Cardiac Marker Elevation After Percutaneous Coronary Intervention: Letter to the editor, e73
- Promotion of Collateral Growth by Granulocyte-Macrophage Colony-Stimulating Factor in Patients With Coronary Artery Disease: Letter to the editor, e175. Response to letter, e175
- Ramipril and Cardiovascular Risk Reduction: Letter to the editor, e194. Response to letter, e194
- Randodmized Assessment of Syncope Trial: Letter to the editor, e8.

 Response to letter, e8

- Randomized Assessment of Syncope Trial: Conventional Diagnostic Testing Versus a Prolonged Monitoring Strategy: Letter to the editor, e61. Response to letter, e61
- Risk Stratification: What Is Relevant in Practice?: Letter to the editor, e69. Response to letter, e70
- Safety and Efficacy of Unprotected Left Main Coronary Artery Stenting: Letter to the editor, e85
- Serum Triglyceride Concentration and Coronary Heart Disease: Letter to the editor, e54. Response to letter, e54
- Stent Strut Thickness and Restenosis: Letter to the editor, e12. Response to letter, e12
- Sudden Cardiac Death: Do We Know What We Are Talking About?: Letter to the editor, e182. Response to letter, e182
- Sudden Death in a Patient Without Heart Failure After a Single Infusion of 200 mg Infliximab: Does TNF-α Have Protective Effects on the Failing Heart, or Does Infliximab Have Direct Harmful Cardiovascular Effects?: Letter to the editor, e183
- Synergism Among Flavonoids in Inhibiting Platelet Aggregation and H_2O_2 Production: Letter to the editor, e53. Response to letter, e53
- Thoughts on the Role of the Healing Professions and the Events of September 11, 2001: Letter to the editor, 1509
- Transmyocardial and Percutaneous Myocardial Laser Revascularization: Letter to the editor, e171. Response to letter, e171
- Use of Selective Serotonin Reuptake Inhibitors and Myocardial Infarction: Letter to the editor, e84

Cost-benefit analysis

- Cost-Effectiveness of a Conservative, Ischemia-Guided Management Strategy After Non-Q-Wave Myocardial Infarction: Results of a Randomized Trial, 680
- Cost-Effectiveness of the Implantable Cardioverter-Defibrillator Versus Antiarrhythmic Drugs in Survivors of Serious Ventricular Tachyarrhythmias: Results of the Antiarrhythmics Versus Implantable Defibrillators (AVID) Economic Analysis Substudy, 2049
- Shortened Head-Up Tilting Test Guided by Systolic Pressure Reductions in Neurocardiogenic Syncope, 146
- Value of Stress Myocardial Perfusion Single Photon Emission Computed Tomography in Patients With Normal Resting Electrocardiograms: An Evaluation of Incremental Prognostic Value and Cost-Effectiveness, 823

Cost-effectiveness

Conservative Management of Acute Coronary Syndrome: Cheaper and Better for You?, 666

Creatine kinase

Minor Myocardial Damage and Prognosis: Are Spontaneous and Percutaneous Coronary Intervention-Related Events Different?, 554

Current Perspective

- Report of the National Heart, Lung, and Blood Institute-National Institute of Diabetes and Digestive and Kidney Diseases Working Group on the Pathophysiology of Obesity-Associated Cardiovascular Disease, 2923
- The Chain of Scientific Discovery: The Critical Role of the Physician-Scientist, 1857
- The PULSE Initiative: Scientific Priorities and Strategic Planning for Resuscitation Research and Life Saving Therapies, 2562

Cyclic guanosine monophosphate

Role of Cyclic Guanosine Monophosphate in Late Preconditioning in Conscious Rabbits, 3046

Cytokines

- Increased Myocardial Gene Expression of Tumor Necrosis Factor-α and Nitric Oxide Synthase-2: A Potential Mechanism for Depressed Myocardial Function in Hibernating Myocardium in Humans, 1537
- Load-Dependent and -Independent Regulation of Proinflammatory Cytokine and Cytokine Receptor Gene Expression in the Adult Mammalian Heart, 2192

D

Death, sudden

Analysis of T-Wave Morphology From the 12-Lead Electrocardiogram for Prediction of Long-Term Prognosis in Male US Veterans, 1066 B-Type Natriuretic Peptide Predicts Sudden Death in Patients With Chronic Heart Failure, 2392

Cardiac Autonomic Dysfunction in Brugada Syndrome, 702

Clinical and Molecular Heterogeneity in the Brugada Syndrome: A Novel Gene Locus on Chromosome 3, 707

Coronary Anomalies: Incidence, Pathophysiology, and Clinical Relevance, 2449

Disrobing the Emperor (Heart) Without Destroying the Dignity of Super-Normality, 2934

Early Afterdepolarizations, U Waves, and Torsades de Pointes, 675
Early Protection Against Sudden Death by n-3 Polyunsaturated Fatty
Acids After Myocardial Infarction: Time-Course Analysis of the
Results of the Gruppo Italiano per lo Studio della Sopravvivenza
nell'Infarto Miocardico (GISSI)-Prevenzione, 1897

Elevated C-Reactive Protein Values and Atherosclerosis in Sudden Coronary Death: Association With Different Pathologies, 2019

Long-Term Follow-Up of Individuals With the Electrocardiographic Pattern of Right Bundle-Branch Block and ST-Segment Elevation in Precordial Leads V_1 to V_3 , 73

Natural History of Brugada Syndrome: Insights for Risk Stratification and Management, 1342

On the Reanalysis of the GISSI-Prevenzione, 1874

Primary Prevention of Sudden Cardiac Death in Idiopathic Dilated Cardiomyopathy: The Cardiomyopathy Trial (CAT), 1453

Prospective Study of C-Reactive Protein, Homocysteine, and Plasma Lipid Levels as Predictors of Sudden Cardiac Death, 2595 Sudden Death Predictors: An Inflammatory Association, 2574

Traditional Risk Factors and the Incidence of Sudden Coronary Death With and Without Coronary Thrombosis in Blacks, 419

Deconditioning

Remodeling of Left Ventricular Hypertrophy in Elite Athletes After Long-Term Deconditioning, 944

Defibrillation

Automated External Defibrillators in Health/Fitness Facilities: Supplement to the AHA/ACSM Recommendations for Cardiovascular Screening, Staffing, and Emergency Policies at Health/Fitness Facilities, 1147

Cost-Effectiveness of the Implantable Cardioverter-Defibrillator Versus Antiarrhythmic Drugs in Survivors of Serious Ventricular Tachyarrhythmias: Results of the Antiarrhythmics Versus Implantable Defibrillators (AVID) Economic Analysis Substudy, 2049

Effects of Interrupting Precordial Compressions on the Calculated Probability of Defibrillation Success During Out-of-Hospital Cardiac Arrest, 2270

Efficacy and Temporal Stability of Reduced Safety Margins for Ventricular Defibrillation: Primary Results From the Low Energy Safety Study (LESS), 2043

Impact of Myocardial Ischemia and Reperfusion on Ventricular Defibrillation Patterns, Energy Requirements, and Detection of Recovery, 2537

Primary Prevention of Sudden Cardiac Death in Idiopathic Dilated Cardiomyopathy: The Cardiomyopathy Trial (CAT), 1453

Quality of Life in the Antiarrhythmics Versus Implantable Defibrillators Trial: Impact of Therapy and Influence of Adverse Symptoms and Defibrillator Shocks, 589

Defibrillators, implantable

Efficacy and Temporal Stability of Reduced Safety Margins for Ventricular Defibrillation: Primary Results From the Low Energy Safety Study (LESS), 2043

Denervation

Long-Term Effects of Carotid Sinus Denervation on Arterial Blood Pressure in Humans, 1329

Depression

Five-Year Risk of Cardiac Mortality in Relation to Initial Severity and One-Year Changes in Depression Symptoms After Myocardial Infarction, 1049

Diabetes mellitus

Adaptation and Maladaptation of the Heart in Diabetes: Part I: General Concepts, 1727

Adaptation and Maladaptation of the Heart in Diabetes: Part II: Potential Mechanisms, 1861

Coronary Heart Disease in Patients With Low LDL-Cholesterol: Benefit of Pravastatin in Diabetics and Enhanced Role for HDL-Cholesterol and Triglycerides as Risk Factors, 1424 Decreased Cardiac Expression of Vascular Endothelial Growth Factor and Its Receptors in Insulin-Resistant and Diabetic States: A Possible Explanation for Impaired Collateral Formation in Cardiac Tissue, 373

Detection of Myocardial Ischemia in Patients With Diabetes Mellitus,

Differential Influence of Diabetes Mellitus on Increased Jeopardized Myocardium After Initial Angioplasty or Bypass Surgery: Bypass Angioplasty Revascularization Investigation, 1914

Do Increased Proinsulin Concentrations Explain the Excess Risk of Coronary Heart Disease in Diabetic and Prediabetic Subjects?, 2008

Evaluation and Treatment of Patients With Systemic Hypertension, 2458

Executive Summary: Conference Proceeding for Healthcare Professionals From a Special Writing Group of the American Heart Association, 2231

Fosinopril Versus Amlodipine Comparative Treatments Study: A Randomized Trial to Assess Effects on Plasminogen Activator Inhibitor-1, 457

Impact of Diabetes on the Risk Stratification Using Stress Single-Photon Emission Computed Tomography Myocardial Perfusion Imaging in Patients With Symptoms Suggestive of Coronary Artery Disease, 32

Impact of Different Platelet Glycoprotein IIb/IIIa Receptor Inhibitors Among Diabetic Patients Undergoing Percutaneous Coronary Intervention: Do Tirofiban and ReoPro Give Similar Efficacy Outcomes Trial (TARGET) 1-Year Follow-Up, 2730

Mechanisms of Increased Vascular Superoxide Production in Human Diabetes Mellitus: Role of NAD(P)H Oxidase and Endothelial Nitric Oxide Synthase, 1656

Sex Differences in the Association Between Proinsulin and Intact Insulin With Coronary Heart Disease in Nondiabetic Older Adults: The Rancho Bernardo Study, 1311

Dialysis

Long-Term Survival of Dialysis Patients in the United States With Prosthetic Heart Valves: Should ACC/AHA Practice Guidelines on Valve Selection Be Modified?, 1336

Diastol

Assessment of Diastolic Function With Doppler Tissue Imaging to Predict Genotype in Preclinical Hypertrophic Cardiomyopathy, 2992

Change in Diastolic Left Ventricular Filling After One Year of Antihypertensive Treatment: The Losartan Intervention For Endpoint Reduction in Hypertension (LIFE) Study, 1071

Mitral Ratio of Peak Early to Late Diastolic Filling Velocity as a Predictor of Mortality in Middle-Aged and Elderly Adults: The Strong Heart Study, 1928

New Concepts in Diastolic Dysfunction and Diastolic Heart Failure: Part I: Diagnosis, Prognosis, and Measurements of Diastolic Function, 1387

New Concepts in Diastolic Dysfunction and Diastolic Heart Failure: Part II: Causal Mechanisms and Treatment, 1503

New Therapeutic Options in Congestive Heart Failure: Part II, 2223 Progression of Systolic Abnormalities in Patients With "Isolated" Diastolic Heart Failure and Diastolic Dysfunction, 1195

Utility of B-Natriuretic Peptide in Detecting Diastolic Dysfunction: Comparison With Doppler Velocity Recordings, 595

Dichloroacetate

Dichloroacetate, a Metabolic Modulator, Prevents and Reverses Chronic Hypoxic Pulmonary Hypertension in Rats: Role of Increased Expression and Activity of Voltage-Gated Potassium Channels, 244

Diet

Dietary Prescriptions to Control Dyslipidemias, 132

Fat Substitutes and Health: An Advisory From the Nutrition Committee of the American Heart Association, 2800

On the Reanalysis of the GISSI-Prevenzione, 1874

Prevention of Coronary Heart Disease by Diet and Lifestyle: Evidence From Prospective Cross-Cultural, Cohort, and Intervention Studies, 893

Trans-Fatty Acids and Sudden Cardiac Death, 669

Dilatation

Effects of Matrix Metalloproteinase Inhibition on Ventricular Remodeling Due to Volume Overload, 1983

Dissection

Cocaine-Related Aortic Dissection in Perspective, 1529

Dose-response relationship

Biological Gradient Between Long-Term Arsenic Exposure and Carotid Atherosclerosis, 1804

Drugs

Allelic Variants in Long-QT Disease Genes in Patients With Drug-Associated Torsades de Pointes, 1943

Baroreflex Buffering and Susceptibility to Vasoactive Drugs, 1459 Catheter-Based Endomyocardial Injection With Real-Time Magnetic

Resonance Imaging, 1282

Coronary Heart Disease in Patients With Low LDL-Cholesterol: Benefit of Pravastatin in Diabetics and Enhanced Role for HDL-Cholesterol and Triglycerides as Risk Factors, 1424

Effects of Sustained-Release Moxonidine, an Imidazoline Agonist, on Plasma Norepinephrine in Patients With Chronic Heart Failure, 1797

Electrophysiology and Arrhythmogenic Activity of Single Cardiomyocytes From Canine Superior Vena Cava, 2679

Eligibility for Lipid-Lowering Drug Therapy in Primary Prevention: How Do the Adult Treatment Panel II and Adult Treatment Panel III Guidelines Compare?, 136

Evaluation and Treatment of Patients With Systemic Hypertension, 2458

Fosinopril Versus Amlodipine Comparative Treatments Study: A Randomized Trial to Assess Effects on Plasminogen Activator Inhibitor-1, 457

In Vitro and In Vivo Evaluation of Oral Heparin-Loaded Polymeric Nanoparticles in Rabbits, 230

Successful Treatment of Amiodarone-Induced Thyrotoxicosis, 1275

Switching off Embolization From Symptomatic Carotid Plaque Using S-Nitrosoglutathione, 1480

Tolerability of β -Blocker Initiation and Titration in the Metoprolol CR/XL Randomized Intervention Trial in Congestive Heart Failure (MERIT-HF), 1182

Ductus arteriosus, patent

Stenting of the Arterial Duct and Banding of the Pulmonary Arteries:

Basis for Combined Norwood Stage I and II Repair in Hypoplastic Left Heart, 1099

E

Echocardiography

Assessment of Diastolic Function With Doppler Tissue Imaging to Predict Genotype in Preclinical Hypertrophic Cardiomyopathy, 2992

Clinical and Echocardiographic Characteristics of Patients With Left Atrial Thrombus and Sinus Rhythm: Experience in 20 643 Consecutive Transesophageal Echocardiographic Examinations, 27

Detection of Noncritical Coronary Stenosis at Rest Without Recourse to Exercise or Pharmacological Stress, 218

Doppler-Derived Myocardial Systolic Strain Rate Is a Strong Index of Left Ventricular Contractility, 99

Effect of Medical Treatment in Stroke Patients With Patent Foramen Ovale: Patent Foramen Ovale in Cryptogenic Stroke Study, 2625

Effects of Cariporide and Losartan on Hypertrophy, Calcium Transients, Contractility, and Gene Expression in Congestive Heart Failure, 1380

Fragment Reconstruction of Coronary Arteries by Transesophageal Echocardiography: A Method for Visualizing Coronary Arteries With Ultrasound, 1579

Gas Exchange Detection of Exercise-Induced Right-to-Left Shunt in Patients With Primary Pulmonary Hypertension, 54

Increased Myocardial Gene Expression of Tumor Necrosis Factor-α and Nitric Oxide Synthase-2: A Potential Mechanism for Depressed Myocardial Function in Hibernating Myocardium in Humans, 1537

Left Ventricular Thrombus Enhancement After Intravenous Injection of Echogenic Immunoliposomes: Studies in a New Experimental Model, 2772

Maternal Anti-Ro and Anti-La Antibody-Associated Endocardial Fibroelastosis, 843 Mitral Ratio of Peak Early to Late Diastolic Filling Velocity as a Predictor of Mortality in Middle-Aged and Elderly Adults: The Strong Heart Study, 1928

Myocardial Contrast Echocardiography Can Be Used to Assess the Microvascular Response to Vascular Endothelial Growth Factor-121, 759

Noninvasive Imaging of Myocardial Reperfusion Injury Using Leukocyte-Targeted Contrast Echocardiography, 1764

Primary Aortic Valve Replacement With Cryopreserved Aortic Allograft: An Echocardiographic Follow-Up Study of 570 Patients, 61 Progression of Systolic Abnormalities in Patients With "Isolated"

Diastolic Heart Failure and Diastolic Dysfunction, 1195 Quantification of Left Ventricular Systolic Function by Tissue Doppler Echocardiography: Added Value of Measuring Pre- and Postejection Velocities in Ischemic Myocardium, 2071

Tissue Doppler Echocardiographic Evidence of Reverse Remodeling and Improved Synchronicity by Simultaneously Delaying Regional Contraction After Biventricular Pacing Therapy in Heart Failure, 438

Tissue Doppler Imaging Differentiates Physiological From Pathological Pressure-Overload Left Ventricular Hypertrophy in Rats, 1602

Ultrasonographic and Biochemical Markers of Human Fetal Cardiac Dysfunction in Placental Insufficiency, 2058

Utility of B-Natriuretic Peptide in Detecting Diastolic Dysfunction: Comparison With Doppler Velocity Recordings, 595

Validation of Myocardial Acceleration During Isovolumic Contraction as a Novel Noninvasive Index of Right Ventricular Contractility: Comparison With Ventricular Pressure-Volume Relations in an Animal Model, 1693

Vascular Gene Transfer of Phosphomimetic Endothelial Nitric Oxide Synthase (S1177D) Using Ultrasound-Enhanced Destruction of Plasmid-Loaded Microbubbles Improves Vasoreactivity, 1104

Which Patients Benefit From Percutaneous Mitral Balloon Valvuloplasty? Prevalvuloplasty and Postvalvuloplasty Variables That Predict Long-Term Outcome, 1465

Edema

Na,K-ATPase Overexpression Improves Alveolar Fluid Clearance in a Rat Model of Elevated Left Atrial Pressure, 497

Editorials

Adenylyl Cyclase: A New Target for Heart Failure Therapeutics, 1876 Apoptosis Signal-Regulating Kinase/Nuclear Factor-κB: A Novel Signaling Pathway Regulates Cardiomyocyte Hypertrophy, 402

B-Type Natriuretic Peptide Levels: Diagnostic and Prognostic in Congestive Heart Failure: What's Next?, 2328

Calcineurin Signaling in Human Cardiac Hypertrophy, 2242 Circulation in 2002, 787

Clinical Research Skills Development: A New Approach, 1751 Cocaine-Related Aortic Dissection in Perspective, 1529

Conservative Management of Acute Coronary Syndrome: Cheaper and Better for You?, 666

Detection of Myocardial Ischemia in Patients With Diabetes Mellitus,

Disrobing the Emperor (Heart) Without Destroying the Dignity of Super-Normality, 2934

Do Increased Proinsulin Concentrations Explain the Excess Risk of Coronary Heart Disease in Diabetic and Prediabetic Subjects?, 2008

Does Angiotensin-(1-7) Contribute to Cardiac Adaptation and Preservation of Endothelial Function in Heart Failure?, 1523

Early Afterdepolarizations, U Waves, and Torsades de Pointes, 675 Eligibility for Lipic-Lowering Drug Therapy in Primary Prevention: How Do the Adult Treatment Panel II and Adult Treatment Panel III Guidelines Compare?, 136

Enhanced Contractile Mechanisms in Vasospasm: Is Endothelial Dysfunction the Whole Story?, 1520

Evolution of the Study of Left Ventricular Function: Everything Old Is New Again, 2701

Improving Outcomes in Heart Failure: It's Not Unusual Beyond Usual Care, 2810

Inflammatory Biomarkers, Statins, and the Risk of Stroke: Cracking a Clinical Conundrum, 2583

Initial Clinical Experience With the Jarvik 2000 Implantable Axial-Flow Left Ventricular Assist System, 2808

Intracoronary Brachytherapy: Past, Present, and Future, 2699

Looking for the Pony in the HERS Data, 902

Metabolic Modulation: A Means to Mend a Broken Heart, 140

Modulating Cardiac Hypertrophy by Manipulating Myocardial Lipid Metabolism?, 1152

Mouse Model for Atherosclerotic Plaque Rupture, 2010

Myocardial Hibernation: Restorative or Preterminal Sleep?, 1517

Myocardial Infarct: No One Size Fits All, 2577

New Antiarrhythmic Drugs for Atrial Flutter and Atrial Fibrillation: A Conceptual Breakthrough at Last?, 276

New Insights Into the World of Matrix Metalloproteinases, 405

Nitric Oxide and Angiogenesis, 2133
Obesity, Metabolic Syndrome, and Coronary

Obesity, Metabolic Syndrome, and Coronary Atherosclerosis, 2696 On Evolutionary Biology, Inflammation, Infection, and the Causes of Atherosclerosis, 2

On the Reanalysis of the GISSI-Prevenzione, 1874

Patent Foramen Ovale and Recurrent Stroke: Another Paradoxical Twist, 2580

Peroxisome Proliferator-Activated Receptor α as a Genetic Determinant of Cardiac Hypertrophic Growth Culprit or Innocent Bystander?, 1025

Platelet-Monocyte Aggregates: Bridging Thrombosis and Inflammation, 2130

Progression of Heart Failure: Is Protein Kinase A Hyperphosphorylation of the Ryanodine Receptor a Contributing Factor?, 272

Reduced Tissue Factor Pathway Inhibitor-1 After Pharmacological Thrombolysis: An Epiphenomenon or Potential Culprit in Rethrombosis?, 270

Reperfusion for ST-Segment Elevation Myocardial Infarction: An Overview of Current Treatment Options, 2813

Statin Therapy: Beyond Cholesterol Lowering and Antiinflammatory Effects, 2937

Stem Cells Combined With Gene Transfer for Therapeutic Vasculogenesis: Magic Bullets?, 672

Still Stressed Out but Doing Fine: Normalization of Wall Stress Is Superfluous to Maintaining Cardiac Function in Chronic Pressure Overload, 8

Strengthening Commitment to Clinical Research: The National Heart, Lung, and Blood Institute's Specialized Centers of Research Program, 400

Sudden Death Predictors: An Inflammatory Association, 2574

The "Unsympathetic" Nervous System of Heart Failure, 1753

Trans-Fatty Acids and Sudden Cardiac Death, 669

Ubiquitin, Proteasome, and Restenosis: A Brave New World for Cardiovascular Research, 408

Vitamin C, Collagen, and Cracks in the Plaque, 1396

What Is "The Matter" With Restenosis in 2002?, 2932

Why Are Some Individuals Resistant to the Cardioprotective Effects of Aspirin? Could It Be Thromboxane A₂?, 1620

Wine, Beer, and Spirits: Are They Really Horses of a Different Color?, 2806

Women, Heart Failure, and Heart Failure Therapies, 1526

Elasticity

Determinants of Accelerated Progression of Arterial Stiffness in Normotensive Subjects and in Treated Hypertensive Subjects Over a 6-Year Period, 1202

Nitric Oxide Regulates Local Arterial Distensibility In Vivo, 213 Electrocardiography

Analysis of T-Wave Morphology From the 12-Lead Electrocardiogram for Prediction of Long-Term Prognosis in Male US Veterans. 1066

Calmodulin Inhibitor W-7 Unmasks a Novel Electrocardiographic Parameter That Predicts Initiation of Torsade de Pointes, 770

Early Resolution of ST-Segment Elevation Correlates With Myocardial Salvage Assessed by Tc-99m Sestamibi Scintigraphy in Patients With Acute Myocardial Infarction After Mechanical or Thrombolytic Reperfusion Therapy, 2946

Effects of Interrupting Precordial Compressions on the Calculated Probability of Defibrillation Success During Out-of-Hospital

Cardiac Arrest, 2270

Long-Term Follow-Up of Individuals With the Electrocardiographic Pattern of Right Bundle-Branch Block and ST-Segment Elevation in Precordial Leads V_1 to V_3 , 73

Mechanism of Syncope in Patients With Heart Disease and Negative Electrophysiologic Test, 2741 Principal Component Analysis of the T Wave and Prediction of Cardiovascular Mortality in American Indians: The Strong Heart Study, 714

TIMI Myocardial Perfusion Grade and ST Segment Resolution: Association With Infarct Size as Assessed by Single Photon Emission Computed Tomography Imaging, 282

Electrophysiology

Cellular Cardiomyoplasty Improves Survival After Myocardial Injury, 2435

Characterization of Reentrant Circuits in Left Atrial Macroreentrant Tachycardia: Critical Isthmus Block Can Prevent Atrial Tachycardia Recurrence, 1934

Effects of Selective Autonomic Blockade on T-Wave Alternans in Humans, 837

Electrical Conduction in Canine Pulmonary Veins: Electrophysiological and Anatomic Correlation, 2442

Electroanatomic Substrate of Idiopathic Left Ventricular Tachycardia: Unidirectional Block and Macroreentry Within the Purkinje Network, 462

Electrophysiological Modulation of Cardiomyocytic Tissue by Transfected Fibroblasts Expressing Potassium Channels: A Novel Strategy to Manipulate Excitability, 522

Management of the Patient Who Has Been Resuscitated From Sudden Cardiac Death, 2704

Mechanism of Syncope in Patients With Heart Disease and Negative Electrophysiologic Test, 2741

Embolist

Acute Pulmonary Embolectomy: A Contemporary Approach, 1416
Intracoronary Thrombectomy With the X-Sizer Catheter System Improves Epicardial Flow and Accelerates ST-Segment Resolution in Patients With Acute Coronary Syndrome: A Prospective, Randomized, Controlled Study, 2355

Patent Foramen Ovale and Recurrent Stroke: Another Paradoxical Twist, 2580

Percutaneous Left Atrial Appendage Transcatheter Occlusion to Prevent Stroke in High-Risk Patients With Atrial Fibrillation: Early Clinical Experience, 1887

Randomized Trial of a Distal Embolic Protection Device During Percutaneous Intervention of Saphenous Vein Aorto-Coronary Bypass Grafts, 1285

Transcatheter Closure of Interatrial Communications for Secondary Prevention of Paradoxical Embolism: Single-Center Experience, 2845

Endocarditis

In Vitro Susceptibility to Thrombin-Induced Platelet Microbicidal Protein Is Associated With Reduced Disease Progression and Complication Rates in Experimental Staphylococcus aureus Endocarditis: Microbiological, Histopathologic, and Echocardiographic Analyses, 746

Unique Features of Infective Endocarditis in Childhood, 2115

Endothelial dysfunction

Raloxifene Improves Endothelial Dysfunction in Hypertension by Reduced Oxidative Stress and Enhanced Nitric Oxide Production, 2083

Endothelin

Endothelin Antagonism and Interleukin-6 Inhibition Attenuate the Proatherogenic Effects of C-Reactive Protein, 1890

Improved Endothelium-Dependent Vasodilation After Blockade of Endothelin Receptors in Patients With Essential Hypertension, 452

Inhalation of Fine Particulate Air Pollution and Ozone Causes Acute Arterial Vasoconstriction in Healthy Adults, 1534

Mental Stress Induces Prolonged Endothelial Dysfunction via Endothelin-A Receptors, 2817

Patterns of Myocardial Endothelin-1 Expression and Outcome After Cardiac Transplantation, 1768

Endothelium

Abciximab Attenuates Coronary Microvascular Endothelial Dysfunction After Coronary Stenting, 2981

Advanced Glycation End Products Activate Endothelium Through Signal-Transduction Receptor RAGE: A Mechanism for Amplification of Inflammatory Responses, 816

Assessment of Coronary Function in Children With a History of Kawasaki Disease Using ¹⁵O-Water Positron Emission Tomography, 2878

- Does Angiotensin-(1-7) Contribute to Cardiac Adaptation and Preservation of Endothelial Function in Heart Failure?, 1523
- Does Oral Folic Acid Lower Total Homocysteine Levels and Improve Endothelial Function in Children With Chronic Renal Failure?, 1810
- Effect of Azithromycin Treatment on Endothelial Function in Patients
 With Coronary Artery Disease and Evidence of *Chlamydia*pneumoniae Infection, 1298
- Effect of Hypercholesterolemia on Expression and Function of Vascular Soluble Guanylyl Cyclase, 855
- Effects of Xanthine Oxidase Inhibition With Allopurinol on Endothelial Function and Peripheral Blood Flow in Hyperuricemic Patients With Chronic Heart Failure: Results From 2 Placebo-Controlled Studies, 2619
- Endothelial Cell Senescence in Human Atherosclerosis: Role of Telomere in Endothelial Dysfunction, 1541
- Endothelial Healing in Vein Grafts: Proliferative Burst Unimpaired by Genetic Therapy of Neointimal Disease, 1686
- Endothelial Progenitor Cell Vascular Endothelial Growth Factor Gene Transfer for Vascular Regeneration, 732
- Endothelin Antagonism and Interleukin-6 Inhibition Attenuate the Proatherogenic Effects of C-Reactive Protein, 1890
- Folic Acid Improves Endothelial Function in Coronary Artery Disease via Mechanisms Largely Independent of Homocysteine Lowering, 22
- Functional and Biochemical Analysis of Endothelial (Dys)function and NO/cGMP Signaling in Human Blood Vessels With and Without Nitroglycerin Pretreatment, 1170
- Fundamentals of Endothelial Function for the Clinical Cardiologist,
- HMG-CoA Reductase Inhibitors Suppress Intracellular Calcium Mobilization and Membrane Current Induced by Lysophosphatidylcholine in Endothelial Cells, 962
- Homocysteine Induces 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase in Vascular Endothelial Cells: A Mechanism for Development of Atherosclerosis?, 1037
- Improved Endothelium-Dependent Vasodilation After Blockade of Endothelin Receptors in Patients With Essential Hypertension, 452
- Increased Nitric Oxide Bioavailability in Endothelial Cells Contributes to the Pleiotropic Effect of Cerivastatin, 933
- Inflammation and Atherosclerosis, 1135
- Inhalation of Fine Particulate Air Pollution and Ozone Causes Acute Arterial Vasoconstriction in Healthy Adults, 1534
- Insulin Causes Endothelial Dysfunction in Humans: Sites and Mechanisms, 576
- Mechanisms of Increased Vascular Superoxide Production in Human Diabetes Mellitus: Role of NAD(P)H Oxidase and Endothelial Nitric Oxide Synthase, 1656
- Mineralocorticoid Receptor Antagonism Improves Endothelial Function in Experimental Atherosclerosis, 2212
- Nitric Oxide and Angiogenesis, 2133
- Nongenomic Mechanisms of Endothelial Nitric Oxide Synthase Activation by the Selective Estrogen Receptor Modulator Raloxifene, 1368
- Noninvasive Assessment of Coronary Microcirculatory Function in Postmenopausal Women and Effects of Short-Term and Long-Term Estrogen Administration, 425
- Obligatory Role of Cyclic Adenosine Monophosphate Response Element in Cyclooxygenase-2 Promoter Induction and Feedback Regulation by Inflammatory Mediators, 2760
- Paradoxical Reduction of Fatty Streak Formation in Mice Lacking Endothelial Nitric Oxide Synthase, 2078
- Platelet-Derived Growth Factor-AB Limits the Extent of Myocardial Infarction in a Rat Model: Feasibility of Restoring Impaired Angiogenic Capacity in the Aging Heart, 608
- Prevention of Inflammation-Induced Endothelial Dysfunction: A Novel Vasculo-Protective Action of Aspirin, 2600
- Protection of Human Endothelial Cells From Oxidative Stress: Role of Ras-ERK1/2 Signaling, 968
- Red Wine Polyphenols Inhibit Vascular Smooth Muscle Cell Migration Through Two Distinct Signaling Pathways, 2404
- Reduction of Inflammatory Cytokine Concentrations and Improvement of Endothelial Functions in Obese Women After Weight Loss Over One Year, 804

- Risk Stratification for Postoperative Cardiovascular Events via Noninvasive Assessment of Endothelial Function: A Prospective Study, 1567
- Smoking a Single Cigarette Rapidly Reduces Combined Concentrations of Nitrate and Nitrite and Concentrations of Antioxidants in Plasma, 1155
- Statin Attenuates Increase in C-Reactive Protein During Estrogen Replacement Therapy in Postmenopausal Women, 1531
- Statin Prevents Tissue Factor Expression in Human Endothelial Cells: Role of Rho/Rho-Kinase and Akt Pathways, 1756
- Statin Therapy Accelerates Reendothelialization: A Novel Effect Involving Mobilization and Incorporation of Bone Marrow-Derived Endothelial Progenitor Cells, 3017
- Statins Have Biphasic Effects on Angiogenesis, 739
- Stem Cells Combined With Gene Transfer for Therapeutic Vasculogenesis: Magic Bullets?, 672
- T-Cell-Mediated Lysis of Endothelial Cells in Acute Coronary Syndromes, 570
- Targeting Kinin B₁ Receptor for Therapeutic Neovascularization, 360 The AT₁-Type Angiotensin Receptor in Oxidative Stress and Atherogenesis: Part I: Oxidative Stress and Atherogenesis. 393
- The AT₁-Type Angiotensin Receptor in Oxidative Stress and Atherogenesis: Part II: AT₁ Receptor Regulation, 530
- Vascular Gene Transfer of Phosphomimetic Endothelial Nitric Oxide Synthase (S1177D) Using Ultrasound-Enhanced Destruction of Plasmid-Loaded Microbubbles Improves Vasoreactivity, 1104

Endothelium-derived factors

- Barium Reduces Resting Blood Flow and Inhibits Potassium-Induced Vasodilation in the Human Forearm, 1323
- Vascular Endothelial Growth Factor Is Necessary in the Development of Arteriosclerosis by Recruiting/Activating Monocytes in a Rat Model of Long-Term Inhibition of Nitric Oxide Synthesis. 1110

Enzyme

- Adenylyl Cyclase: A New Target for Heart Failure Therapeutics, 1876 Cyclooxygenase-2 Promotes Early Atherosclerotic Lesion Formation in LDL Receptor-Deficient Mice, 1816
- In Vivo Imaging of Proteolytic Activity in Atherosclerosis, 2766
- Superoxide Production and Expression of Nox Family Proteins in Human Atherosclerosis, 1429
- Ubiquitin, Proteasome, and Restenosis: A Brave New World for Cardiovascular Research, 408

Epidemiology

- Antecedent Blood Pressure and Risk of Cardiovascular Disease: The Framingham Heart Study, 48
- Carotid Plaques Increase the Risk of Stroke and Subtypes of Cerebral Infarction in Asymptomatic Elderly: The Rotterdam Study. 2872
- Cell Membrane Trans-Fatty Acids and the Risk of Primary Cardiac Arrest, 697
- Do Increased Proinsulin Concentrations Explain the Excess Risk of Coronary Heart Disease in Diabetic and Prediabetic Subjects?, 2008
- Effects of Cholesterol and Inflammation-Sensitive Plasma Proteins on Incidence of Myocardial Infarction and Stroke in Men, 2632
- Mitral Ratio of Peak Early to Late Diastolic Filling Velocity as a Predictor of Mortality in Middle-Aged and Elderly Adults: The Strong Heart Study, 1928
- New National Cholesterol Education Program III Guidelines for Primary Prevention Lipid-Lowering Drug Therapy: Projected Impact on the Size, Sex, and Age Distribution of the Treatment-Eligible Population, 152
- Plasma Homocysteine and Parental Myocardial Infarction in Young Adults in Jerusalem, 2725
- Principal Component Analysis of the T Wave and Prediction of Cardiovascular Mortality in American Indians: The Strong Heart Study, 714
- Proinsulin Is an Independent Predictor of Coronary Heart Disease: Report From a 27-Year Follow-Up Study, 2153
- Pulmonary Hypertension and Risk of Death in Cardiomyopathy; Patients With Myocarditis Are at Higher Risk, 1663

Epithelium

Na,K-ATPase Overexpression Improves Alveolar Fluid Clearance in a Rat Model of Elevated Left Atrial Pressure, 497

erbB2

Modulation of Anthracycline-Induced Myofibrillar Disarray in Rat Ventricular Myocytes by Neuregulin-1β and Anti-erbB2: Potential Mechanism for Trastuzumab-Induced Cardiotoxicity, 1551

Estroger

Raloxifene Improves Endothelial Dysfunction in Hypertension by Reduced Oxidative Stress and Enhanced Nitric Oxide Production, 2083

Etiology

Fosinopril Versus Amlodipine Comparative Treatments Study: A Randomized Trial to Assess Effects on Plasminogen Activator Inhibitor-1, 457

Excitation

Progression of Heart Failure: Is Protein Kinase A Hyperphosphorylation of the Ryanodine Receptor a Contributing Factor?, 272

Exercis

Automated External Defibrillators in Health/Fitness Facilities: Supplement to the AHA/ACSM Recommendations for Cardiovascular Screening, Staffing, and Emergency Policies at Health/Fitness Facilities, 1147

Conversion From Vagal to Sympathetic Predominance With Strenuous Training in High-Performance World Class Athletes, 2719

Exercise-Induced Coronary Artery Vasodilation Is Not Impaired by Stent Placement, 2373

Familial Aggregation of Blood Lipid Response to Exercise Training in the Health, Risk Factors, Exercise Training, and Genetics (HER-ITAGE) Family Study, 1904

Gas Exchange Detection of Exercise-Induced Right-to-Left Shunt in Patients With Primary Pulmonary Hypertension, 54

Peroxisome Proliferator-Activated Receptor α Gene Regulates Left Ventricular Growth in Response to Exercise and Hypertension, 950

Physical Activity and Coronary Event Incidence in Northern Ireland and France: The Prospective Epidemiological Study of Myocardial Infarction (PRIME), 2247

Physical Activity and Hemostatic and Inflammatory Variables in Elderly Men. 1785

Value of Stress Myocardial Perfusion Single Photon Emission Computed Tomography in Patients With Normal Resting Electrocardiograms: An Evaluation of Incremental Prognostic Value and Cost-Effectiveness, 823

Extracellular matrix

Vitamin C, Collagen, and Cracks in the Plaque, 1396

F

Fat distribution

Trunk Fat and Blood Pressure in Children Through Puberty, 1093

Fat substitutes

Fat Substitutes and Health: An Advisory From the Nutrition Committee of the American Heart Association, 2800

Fatty acids

Cardiac Membrane Fatty Acid Composition Modulates Myocardial Oxygen Consumption and Postischemic Recovery of Contractile Function, 2303

Cell Membrane Trans-Fatty Acids and the Risk of Primary Cardiac Arrest, 697

Cyclooxygenase-1 and Bicistronic Cyclooxygenase-1/Prostacyclin Synthase Gene Transfer Protect Against Ischemic Cerebral Infarction, 1962

Early Protection Against Sudden Death by n-3 Polyunsaturated Fatty Acids After Myocardial Infarction: Time-Course Analysis of the Results of the Gruppo Italiano per lo Studio della Sopravvivenza nell'Infarto Miocardico (GISSI)-Prevenzione, 1897

Metabolic Modulation: A Means to Mend a Broken Heart, 140

On the Reanalysis of the GISSI-Prevenzione, 1874

Peroxisome Proliferator-Activated Receptor α Gene Regulates Left Ventricular Growth in Response to Exercise and Hypertension, 950

Trans-Fatty Acids and Sudden Cardiac Death, 669

Fetal growth retardation

Ultrasonographic and Biochemical Markers of Human Fetal Cardiac Dysfunction in Placental Insufficiency, 2058

Fexofenadine

Pharmacological Rescue of Human K. Channel Long-QT2 Mutations: Human Ether-a-Go-Go-Related Gene Rescue Without Block, 2830

Fibrillation

Altered Expression of ADAMs (A Disintegrin And Metalloproteinase) in Fibrillating Human Atria, 720

Autonomic Tone Variations Before the Onset of Paroxysmal Atrial Fibrillation, 2753

Electrical Conduction in Canine Pulmonary Veins: Electrophysiological and Anatomic Correlation, 2442

Electrical Connections Between Pulmonary Veins: Implication for Ostial Ablation of Pulmonary Veins in Patients With Paroxysmal Atrial Fibrillation, 2998

Electrical Remodeling of the Atrium in an Anatomic Model of Atrial Flutter: Relationship Between Substrate and Triggers for Conversion to Atrial Fibrillation, 258

Electrophysiology and Arrhythmogenic Activity of Single Cardiomyocytes From Canine Superior Vena Cava, 2679

Impact of Myocardial Ischemia and Reperfusion on Ventricular Defibrillation Patterns, Energy Requirements, and Detection of Recovery, 2537

Importance of Continuous Chest Compressions During Cardiopulmonary Resuscitation: Improved Outcome During a Simulated Single Lay-Rescuer Scenario, 645

Left Atrial Appendage Activity Masquerading as Pulmonary Vein Potentials, 2821

Natural History of Brugada Syndrome: Insights for Risk Stratification and Management, 1342

New Bayesian Discriminator for Detection of Atrial Tachyarrhythmias, 1472

On the Reanalysis of the GISSI-Prevenzione, 1874

Primary Prevention of Sudden Cardiac Death in Idiopathic Dilated Cardiomyopathy: The Cardiomyopathy Trial (CAT), 1453

Pulmonary Vein Isolation for Paroxysmal and Persistent Atrial Fibrillation, 1077

Use of an Inspiratory Impedance Valve Improves Neurologically Intact Survival in a Porcine Model of Ventricular Fibrillation, 124

Fibrin

Lethal Perinatal Thrombosis in Mice Resulting From the Interaction of Tissue Factor Pathway Inhibitor Deficiency and Factor V Leiden, 2139

Mouse Model for Atherosclerotic Plaque Rupture, 2010

Fibrinolysis

Enoxaparin as Adjunctive Antithrombin Therapy for ST-Elevation Myocardial Infarction: Results of the ENTIRE-Thrombolysis in Myocardial Infarction (TIMI) 23 Trial, 1642

Fibrosis

Calcineurin Inhibition Attenuates Mineralocorticoid-Induced Cardiac Hypertrophy, 677

Fish oils

Cardiac Membrane Fatty Acid Composition Modulates Myocardial Oxygen Consumption and Postischemic Recovery of Contractile Function, 2303

Fistula

Effects of Matrix Metalloproteinase Inhibition on Ventricular Remodeling Due to Volume Overload, 1983

Folic acid

Does Oral Folic Acid Lower Total Homocysteine Levels and Improve Endothelial Function in Children With Chronic Renal Failure?, 1810

Follow-up studies

Differential Influence of Diabetes Mellitus on Increased Jeopardized Myocardium After Initial Angioplasty or Bypass Surgery: Bypass Angioplasty Revascularization Investigation, 1914

Heart Failure and Ventricular Dysfunction in Patients With Single or Systemic Right Ventricles, 1189

Physical Activity and Coronary Event Incidence in Northern Ireland and France: The Prospective Epidemiological Study of Myocardial Infarction (PRIME), 2247

Value of Stress Myocardial Perfusion Single Photon Emission Computed Tomography in Patients With Normal Resting Electrocardiograms: An Evaluation of Incremental Prognostic Value and Cost-Effectiveness, 823

- Which Patients Benefit From Percutaneous Mitral Balloon Valvuloplasty? Prevalvuloplasty and Postvalvuloplasty Variables That Predict Long-Term Outcome, 1465
- Fontan procedure
 - Fenestration Improves Clinical Outcome of the Fontan Procedure: A Prospective, Randomized Study, 207
- Heart Failure and Ventricular Dysfunction in Patients With Single or Systemic Right Ventricles, 1189
- Ventricular Afterload and Ventricular Work in Fontan Circulation: Comparison With Normal Two-Ventricle Circulation and Single-Ventricle Circulation With Blalock-Taussig Shunts, 2885
- Fourier analysis
 - Effects of Interrupting Precordial Compressions on the Calculated Probability of Defibrillation Success During Out-of-Hospital Cardiac Arrest. 2270
- Ventricular Afterload and Ventricular Work in Fontan Circulation: Comparison With Normal Two-Ventricle Circulation and Single-Ventricle Circulation With Blalock-Taussig Shunts, 2885
- Free radicals
- Involvement of Nuclear Factor-κB and Apoptosis Signal-Regulating Kinase I in G-Protein-Coupled Receptor Agonist-Induced Cardiomyocyte Hypertrophy, 509
- NADPH Oxidase Mediates Tissue Factor-Dependent Surface Procoagulant Activity by Thrombin in Human Vascular Smooth Muscle Cells, 2030
- Pivotal Role of a gp91^{phas}-Containing NADPH Oxidase in Angiotensin II-Induced Cardiac Hypertrophy in Mice, 293
- Postischemic Recovery of Contractile Function is Impaired in SOD2*/- but Not SOD1*/- Mouse Hearts, 981
- Protection of Human Endothelial Cells From Oxidative Stress: Role of Ras-ERK1/2 Signaling, 968
- S-Nitroso Human Serum Albumin Treatment Reduces Ischemia/ Reperfusion Injury in Skeletal Muscle via Nitric Oxide Release. 3032
- Funding
- Clinical Research Skills Development: A New Approach, 1751
- Strengthening Commitment to Clinical Research: The National Heart, Lung, and Blood Institute's Specialized Centers of Research Program, 400
 - G
- Gap junctions
 - Anisotropic Conduction Properties in Canine Atria Analyzed by High-Resolution Optical Mapping: Preferential Direction of Conduction Block Changes From Longitudinal to Transverse With Increasing Age, 2092
- Gene expression
- Load-Dependent and -Independent Regulation of Proinflammatory Cytokine and Cytokine Receptor Gene Expression in the Adult Mammalian Heart, 2192
- Gene therapy
- Activation of Nuclear Factor-κB Significantly Contributes to Lumen Loss in a Rabbit Iliac Artery Balloon Angioplasty Model, 633
- Administration of a Decoy Against the Activator Protein-1 Binding Site Suppresses Neointimal Thickening in Rabbit Balloon-Injured Arteries, 1226
- Angiogenic Gene Therapy (AGENT) Trial in Patients With Stable Angina Pectoris, 1291
- Coronary Collateral Size, Flow Capacity, and Growth: Estimates From the Angiogram in Patients With Obstructive Coronary Disease, 168
- Electrophysiological Modulation of Cardiomyocytic Tissue by Transfected Fibroblasts Expressing Potassium Channels: A Novel Strategy to Manipulate Excitability, 522
- Endothelial Healing in Vein Grafts: Proliferative Burst Unimpaired by Genetic Therapy of Neointimal Disease, 1686
- Endothelial Progenitor Cell Vascular Endothelial Growth Factor Gene Transfer for Vascular Regeneration, 732
- Essential Role of Monocyte Chemoattractant Protein-1 in Development of Restenotic Changes (Neointimal Hyperplasia and Constrictive Remodeling) After Balloon Angioplasty in Hypercholesterolemic Rabbits, 2905

- Gene Therapy Strategy for Long-Term Myocardial Protection Using Adeno-Associated Virus-Mediated Delivery of Heme Oxygenase Gene. 602
- Impairment of Collateral Formation in Lipoprotein(a) Transgenic Mice: Therapeutic Angiogenesis Induced by Human Hepatocyte Growth Factor Gene, 1491
- Local Delivery of Plasmid DNA Into Rat Carotid Artery Using Ultrasound, 1233
- Local Expression of Interleukin-1 Receptor Antagonist by Plasmid DNA Improves Mortality and Decreases Myocardial Inflammation in Experimental Cossackieviral Myocarditis, 1278
- Optical Imaging of Cardiac Reporter Gene Expression in Living Rats,
- Restoration of Deficient Membrane Proteins in the Cardiomyopathic Hamster by In Vivo Cardiac Gene Transfer, 502
- Stem Cells Combined With Gene Transfer for Therapeutic Vasculogenesis: Magic Bullets?, 672
- Targeting Phospholamban by Gene Transfer in Human Heart Failure, 904
- Vascular Endothelial Growth Factor Is Necessary in the Development of Arteriosclerosis by Recruiting/Activating Monocytes in a Rat Model of Long-Term Inhibition of Nitric Oxide Synthesis, 1110
- Vascular Gene Transfer of Phosphomimetic Endothelial Nitric Oxide Synthase (S1177D) Using Ultrasound-Enhanced Destruction of Plasmid-Loaded Microbubbles Improves Vasoreactivity, 1104
- Genes
 - Accelerated Reendothelialization With Suppressed Thrombogenic Property and Neointimal Hyperplasia of Rabbit Jugular Vein Grafts by Adenovirus-Mediated Gene Transfer of C-Type Natriuretic Peptide, 1623
 - Adrenomedullin, an Endogenous Peptide, Counteracts Cardiovascular Damage, 106
 - Angiotensin II Induces Tumor Necrosis Factor Biosynthesis in the Adult Mammalian Heart Through a Protein Kinase C-Dependent Pathway, 2198
 - Calcineurin Signaling in Human Cardiac Hypertrophy, 2242
 - Cyclooxygenase-1 and Bicistronic Cyclooxygenase-1/Prostacyclin Synthase Gene Transfer Protect Against Ischemic Cerebral Infarction, 1962
 - Disrobing the Emperor (Heart) Without Destroying the Dignity of Super-Normality, 2934
 - Effects of Cariporide and Losartan on Hypertrophy, Calcium Transients, Contractility, and Gene Expression in Congestive Heart Failure, 1380
 - Genetic Modifier Loci Affecting Survival and Cardiac Function in Murine Dilated Cardiomyopathy, 1824
 - Human Leukocyte Antigen-G Expression After Heart Transplantation Is Associated With a Reduced Incidence of Rejection, 1949
 - Human Mesenchymal Stem Cells Differentiate to a Cardiomyocyte Phenotype in the Adult Murine Heart, 93
 - Increased Risk of Arrhythmic Events in Long-QT Syndrome With Mutations in the Pore Region of the Human Ether-a-go-go-Related Gene Potassium Channel, 794
 - Induction of Atherosclerotic Plaque Rupture in Apolipoprotein E^{-/-} Mice After Adenovirus-Mediated Transfer of p53, 2064
 - Lethal Perinatal Thrombosis in Mice Resulting From the Interaction of Tissue Factor Pathway Inhibitor Deficiency and Factor V Leiden, 2139
 - Maternal Hypercholesterolemia During Pregnancy Promotes Early Atherogenesis in LDL Receptor-Deficient Mice and Alters Aortic Gene Expression Determined by Microarray, 1360
 - Na* Channel Mutation That Causes Both Brugada and Long-QT Syndrome Phenotypes: A Simulation Study of Mechanism, 1208 Na.K-ATPase Overexpression Improves Alveolar Fluid Clearance in a
 - Rat Model of Elevated Left Atrial Pressure, 497 Novel KCNJ2 Mutation in Familial Periodic Paralysis With Ventric-
 - ular Dysrhythmia, 2592
 Pharmacological Rescue of Human K⁺ Channel Long-QT2 Mutations:

 Human Ether-a-Go-Go-Related Gene Rescue Without Block,
 2820
 - Phase 1/2 Placebo-Controlled, Double-Blind, Dose-Escalating Trial of Myocardial Vascular Endothelial Growth Factor 2 Gene Transfer by Catheter Delivery in Patients With Chronic Myocardial Ischemia, 2012

- Polymorphism in the 5'-Franking Region of Human Glutamate-Cysteine Ligase Modifier Subunit Gene Is Associated With Myocardial Infarction, 2968
- Sarcomere Protein Gene Mutations in Hypertrophic Cardiomyopathy of the Elderly, 446
- Serotonin Transporter Gene Polymorphism and Myocardial Infarction: Etude Cas-Témoins de l'Infarctus du Myocarde (ECTIM), 2943
- The AT₁-Type Angiotensin Receptor in Oxidative Stress and Atherogenesis: Part II: AT₁ Receptor Regulation, 530

Genetics

- Allelic Variants in Long-QT Disease Genes in Patients With Drug-Associated Torsades de Pointes, 1943
- Angiotensinogen Genotype Affects Renal and Adrenal Responses to Angiotensin II in Essential Hypertension, 1921
- Assessment of Diastolic Function With Doppler Tissue Imaging to Predict Genotype in Preclinical Hypertrophic Cardiomyopathy, 2992
- Association Between SAH, an Acyl-CoA Synthetase Gene, and Hypertriglyceridemia, Obesity, and Hypertension, 41
- Clinical and Molecular Heterogeneity in the Brugada Syndrome: A Novel Gene Locus on Chromosome 3, 707
- Clinical, Genetic, and Biophysical Characterization of SCN5A Mutations Associated With Atrioventricular Conduction Block, 341
- Common Estrogen Receptor Polymorphism Augments Effects of Hormone Replacement Therapy on E-Selectin but Not C-Reactive Protein, 1879
- Familial Aggregation of Blood Lipid Response to Exercise Training in the Health, Risk Factors, Exercise Training, and Genetics (HER-ITAGE) Family Study, 1904
- Genetic Modifier Loci Affecting Survival and Cardiac Function in Murine Dilated Cardiomyopathy, 1824
- Lethal Perinatal Thrombosis in Mice Resulting From the Interaction of Tissue Factor Pathway Inhibitor Deficiency and Factor V Leiden, 2139
- Metavinculin Mutations Alter Actin Interaction in Dilated Cardiomyopathy, 431
- Myosin Light Chain Mutation Causes Autosomal Recessive Cardiomyopathy With Mid-Cavitary Hypertrophy and Restrictive Physiology, 2337
- Natural History of Brugada Syndrome: Insights for Risk Stratification and Management, 1342
- Peroxisome Proliferator-Activated Receptor α as a Genetic Determinant of Cardiac Hypertrophic Growth Culprit or Innocent Bystander?, 1025
- Peroxisome Proliferator-Activated Receptor α Gene Regulates Left Ventricular Growth in Response to Exercise and Hypertension,
- Peroxisome Proliferator-Activated Receptor α Gene Variants Influence Progression of Coronary Atherosclerosis and Risk of Coronary Artery Disease, 1440

Glycoproteins

- Abciximab Attenuates Coronary Microvascular Endothelial Dysfunction After Coronary Stenting, 2981
- Comparative Antithrombotic Effects of Magnesium Sulfate and the Platelet Glycoprotein IIb/IIIa Inhibitors Tirofiban and Eptifibatide in a Canine Model of Stent Thrombosis, 1970
- Effect of Abciximab on Prothrombin Activation and Thrombin Generation in Acute Coronary Syndromes Without ST-Segment Elevation: Global Utilization of Strategies to Open Occluded Coronary Arteries Trial IV in Acute Coronary Syndromes (GUSTO IV ACS) Italian Hematologic Substudy, 928
- Functional Significance of Adenosine 5'-Diphosphate Receptor (P2Y₁₂) in Platelet Activation Initiated by Binding of von Willebrand Factor to Platelet GP Ibα Induced by Conditions of High Shear Rate. 2531
- Impact of Different Platelet Glycoprotein IIb/IIIa Receptor Inhibitors Among Diabetic Patients Undergoing Percutaneous Coronary Intervention: Do Tirofiban and ReoPro Give Similar Efficacy Outcomes Trial (TARGET) 1-Year Follow-Up, 2730
- Myocardial Ischemic Injury After Heart Transplantation Is Associated With Upregulation of Vitronectin Receptor (α , β ₃), Activation of the Matrix Metalloproteinase Induction System, and Subsequent Development of Coronary Vasculopathy, 1955
- Outcomes of Patients With Acute Coronary Syndromes and Prior Coronary Artery Bypass Grafting: Results From the Platelet

Glycoprotein IIb/IIIa in Unstable Angina: Receptor Suppression Using Integrilin Therapy (PURSUIT) Trial, 322

Grafting

- Accelerated Reendothelialization With Suppressed Thrombogenic Property and Neointimal Hyperplasia of Rabbit Jugular Vein Grafts by Adenovirus-Mediated Gene Transfer of C-Type Natriuretic Peptide, 1623
- Endothelial Healing in Vein Grafts: Proliferative Burst Unimpaired by Genetic Therapy of Neointimal Disease, 1686
- Endovascular Aneurysm Repair: Magnetic Resonance Monitoring of Histological Organization Processes in the Excluded Aneurysm, 1995
- Human Leukocyte Antigen-G Expression After Heart Transplantation Is Associated With a Reduced Incidence of Rejection, 1949
- Intravenous Pulse Administration of Cyclophosphamide Is an Effective and Safe Treatment for Sensitized Cardiac Allograft Recipients, 1214
- Randomized Trial of a Distal Embolic Protection Device During Percutaneous Intervention of Saphenous Vein Aorto-Coronary Bypass Grafts, 1285

Growth factors

- Angiostatin Inhibits Coronary Angiogenesis During Impaired Production of Nitric Oxide, 2185
- Load-Dependent and -Independent Regulation of Proinflammatory Cytokine and Cytokine Receptor Gene Expression in the Adult Mammalian Heart, 2192

Growth substances

- Adipocyte-Derived Plasma Protein Adiponectin Acts as a Platelet-Derived Growth Factor-BB-Binding Protein and Regulates Growth Factor-Induced Common Postreceptor Signal in Vascular Smooth Muscle Cell. 2893
- Analysis of Mural Cell Recruitment to Tumor Vessels, 112
- Angiotensin II Induces Tumor Necrosis Factor Biosynthesis in the Adult Mammalian Heart Through a Protein Kinase C-Dependent Pathway, 2198
- Coronary Collateral Size, Flow Capacity, and Growth: Estimates From the Angiogram in Patients With Obstructive Coronary Disease,
- Decreased Cardiac Expression of Vascular Endothelial Growth Factor and Its Receptors in Insulin-Resistant and Diabetic States: A Possible Explanation for Impaired Collateral Formation in Cardiac Tissue, 373
- Impairment of Collateral Formation in Lipoprotein(a) Transgenic Mice: Therapeutic Angiogenesis Induced by Human Hepatocyte Growth Factor Gene, 1491
- Nitric Oxide and Angiogenesis, 2133
- Phase 1/2 Placebo-Controlled, Double-Blind, Dose-Escalating Trial of Myocardial Vascular Endothelial Growth Factor 2 Gene Transfer by Catheter Delivery in Patients With Chronic Myocardial Ischemia, 2012
- Protection of Myocytes From Hypoxia-Reoxygenation Injury by Nitric
 Oxide Is Mediated by Modulation of Transforming Growth
 Factor-B., 2206
- Systemic Production of Vascular Endothelial Growth Factor and fms-Like Tyrosine Kinase-1 Receptor in Acute Kawasaki Dis-
- The AT₁-Type Angiotensin Receptor in Oxidative Stress and Atherogenesis: Part I: Oxidative Stress and Atherogenesis, 393
- Tumor Necrosis Factor-a Regulates Insulin-Like Growth Factor-1 and Insulin-Like Growth Factor Binding Protein-3 Expression in Vascular Smooth Muscle, 1220
- Vascular Endothelial Growth Factor Is Necessary in the Development of Arteriosclerosis by Recruiting/Activating Monocytes in a Rat Model of Long-Term Inhibition of Nitric Oxide Synthesis, 1110
- Guanylate cyclase

 Role of Cyclic Guanosine Monophosphate in Late Preconditioning in

 Conscious Rabbits, 3046

H

HDL

Oral Administration of an Apo A-I Mimetic Peptide Synthesized From D-Amino Acids Dramatically Reduces Atherosclerosis in Mice Independent of Plasma Cholesterol, 290

Health policy

Home-Based Intervention in Congestive Heart Failure: Long-Term Implications on Readmission and Survival, 2861

Heart

Calcineurin Inhibition Attenuates Mineralocorticoid-Induced Cardiac Hypertrophy, 677

Platelet-Derived Growth Factor-AB Limits the Extent of Myocardial Infarction in a Rat Model: Feasibility of Restoring Impaired Angiogenic Capacity in the Aging Heart, 608

Heart arrest

Cell Membrane Trans-Fatty Acids and the Risk of Primary Cardiac Arrest, 697

Coronary Anomalies: Incidence, Pathophysiology, and Clinical Relevance, 2449

Cost-Effectiveness of the Implantable Cardioverter-Defibrillator Versus Antiarrhythmic Drugs in Survivors of Serious Ventricular Tachyarrhythmias: Results of the Antiarrhythmics Versus Implantable Defibrillators (AVID) Economic Analysis Substudy, 2049

Effects of Interrupting Precordial Compressions on the Calculated Probability of Defibrillation Success During Out-of-Hospital Cardiac Arrest, 2270

Importance of Continuous Chest Compressions During Cardiopulmonary Resuscitation: Improved Outcome During a Simulated Single Lay-Rescuer Scenario, 645

Quality of Life in the Antiarrhythmics Versus Implantable Defibrillators Trial: Impact of Therapy and Influence of Adverse Symptoms and Defibrillator Shocks, 589

Heart atrium

Clinical and Echocardiographic Characteristics of Patients With Left Atrial Thrombus and Sinus Rhythm: Experience in 20 643 Consecutive Transesophageal Echocardiographic Examinations, 27

Heart block

Anisotropic Conduction Properties in Canine Atria Analyzed by High-Resolution Optical Mapping: Preferential Direction of Conduction Block Changes From Longitudinal to Transverse With Increasing Age, 2092

Maternal Anti-Ro and Anti-La Antibody-Associated Endocardial Fibroelastosis, 843

Heart defects, congenital

Collaborative Care for Adults With Congenital Heart Disease, 2318 Fenestration Improves Clinical Outcome of the Fontan Procedure: A Prospective, Randomized Study, 207

Heart Failure and Ventricular Dysfunction in Patients With Single or Systemic Right Ventricles, 1189

Hypoxia Induces Aortic Hypertrophic Growth, Left Ventricular Dysfunction, and Sympathetic Hyperinnervation of Peripheral Arteries in the Chick Embryo, 2791

Stenting of the Arterial Duct and Banding of the Pulmonary Arteries: Basis for Combined Norwood Stage I and II Repair in Hypoplastic Left Heart, 1099

Ventricular Afterload and Ventricular Work in Fontan Circulation: Comparison With Normal Two-Ventricle Circulation and Single-Ventricle Circulation With Blalock-Taussig Shunts, 2885

Heart disease

Adverse Neonatal and Cardiac Outcomes Are More Common in Pregnant Women With Cardiac Disease, 2179

Evaluation and Management of Patients With Aortic Stenosis, 1746 Looking for the Pony in the HERS Data, 902

Mechanism of Syncope in Patients With Heart Disease and Negative Electrophysiologic Test, 2741

New Tools for Coronary Risk Assessment: What Are Their Advantages and Limitations?, 886

Optical Imaging of Cardiac Reporter Gene Expression in Living Rats, 1631

Primary Aortic Valve Replacement With Cryopreserved Aortic Allograft: An Echocardiographic Follow-Up Study of 570 Patients, 61 Steps Toward Percutaneous Aortic Valve Replacement, 775

Heart disease, congenital

Coronary Anomalies: Incidence, Pathophysiology, and Clinical Relevance, 2449

Heart failure

Accelerated Cardiomyopathy in Mice With Overexpression of Cardiac $G_s\alpha$ and a Missense Mutation in the α -Myosin Heavy Chain, 614

Adaptation and Maladaptation of the Heart in Diabetes: Part I: General Concepts, 1727

Adaptation and Maladaptation of the Heart in Diabetes: Part II: Potential Mechanisms, 1861

Adenylyl Cyclase Increases Survival in Cardiomyopathy, 1989

Adenylyl Cyclase: A New Target for Heart Failure Therapeutics, 1876 Angiotensin II Induces Tumor Necrosis Factor Biosynthesis in the Adult Mammalian Heart Through a Protein Kinase C-Dependent Pathway, 2198

Angiotensin-(1-7) Attenuates the Development of Heart Failure After Myocardial Infarction in Rats, 1548

Apoptosis Signal-Regulating Kinase/Nuclear Factor-κB: A Novel Signaling Pathway Regulates Cardiomyocyte Hypertrophy, 402

Assessment of Myocardial Viability With Contrast-Enhanced Magnetic Resonance Imaging: Comparison With Positron Emission Tomography, 162

B-Type Natriuretic Peptide Predicts Sudden Death in Patients With Chronic Heart Failure, 2392

Beneficial Effects of Long-Term Use of the Antioxidant Probucol in Heart Failure in the Rat, 2549

Bucindolol Displays Intrinsic Sympathomimetic Activity in Human Myocardium, 2429

Calcineurin Signaling in Human Cardiac Hypertrophy, 2242

Circulatory Support for Long-Term Treatment of Heart Failure: Experience With an Intraventricular Continuous Flow Pump, 2588

Consequences of Atrial Tachycardia-Induced Remodeling Depend on the Preexisting Atrial Substrate, 251

Differential Actions of Vasopeptidase Inhibition Versus Angiotensin-Converting Enzyme Inhibition on Diuretic Therapy in Experimental Congestive Heart Failure, 639

Does Angiotensin-(1-7) Contribute to Cardiac Adaptation and Preservation of Endothelial Function in Heart Failure?, 1523

Dynamic Nature of Atrial Fibrillation Substrate During Development and Reversal of Heart Failure in Dogs, 2672

Effects of Sustained-Release Moxonidine, an Imidazoline Agonist, on Plasma Norepinephrine in Patients With Chronic Heart Failure, 1797

Effects of Xanthine Oxidase Inhibition With Allopurinol on Endothelial Function and Peripheral Blood Flow in Hyperuricemic Patients With Chronic Heart Failure: Results From 2 Placebo-Controlled Studies, 2619

Fluvastatin, a 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Inhibitor, Attenuates Left Ventricular Remodeling and Failure After Experimental Myocardial Infarction, 868

Genetic Alterations That Inhibit In Vivo Pressure-Overload Hypertrophy Prevent Cardiac Dysfunction Despite Increased Wall Stress, 85

Genetic Modifier Loci Affecting Survival and Cardiac Function in Murine Dilated Cardiomyopathy, 1824

Heart Failure and Ventricular Dysfunction in Patients With Single or Systemic Right Ventricles, 1189

Heterogeneity in the Management and Outcomes of Patients With Acute Myocardial Infarction Complicated by Heart Failure: The National Registry of Myocardial Infarction, 2605

Human Mesenchymal Stem Cells Differentiate to a Cardiomyocyte Phenotype in the Adult Murine Heart, 93

Improving Outcomes in Heart Failure: It's Not Unusual Beyond Usual Care, 2810

Increased Myocardial Gene Expression of Tumor Necrosis Factor-α and Nitric Oxide Synthase-2: A Potential Mechanism for Depressed Myocardial Function in Hibernating Myocardium in Humans, 1537

Influence of Pyruvate on Contractile Performance and Ca²⁺ Cycling in Isolated Failing Human Myocardium, 194

Initial Clinical Experience With the Jarvik 2000 Implantable Axial-Flow Left Ventricular Assist System, 2855

Intracellular Na⁺ Concentration Is Elevated in Heart Failure But Na/K Pump Function Is Unchanged, 2543

Left Ventricular Volume Reduction by Radiofrequency Heating of Chronic Myocardial Infarction in Patients With Congestive Heart Failure. 1317

Maximizing the Natriuretic Peptide System in Experimental Heart Failure: Subcutaneous Brain Natriuretic Peptide and Acute Vasopeptidase Inhibition, 999 Metabolic Modulation: A Means to Mend a Broken Heart, 140

Metoprolol CR/XL in Female Patients With Heart Failure: Analysis of the Experience in Metoprolol Extended-Release Randomized Intervention Trial in Heart Failure (MERIT-HF), 1585

Myocardial Fibrosis in Chronic Aortic Regurgitation: Molecular and Cellular Responses to Volume Overload, 1837

Myocardial Infarct: No One Size Fits All, 2577

Myocardial Regeneration Therapy for Heart Failure: Hepatocyte Growth Factor Enhances the Effect of Cellular Cardiomyoplasty, 2556

Na,K-ATPase Overexpression Improves Alveolar Fluid Clearance in a Rat Model of Elevated Left Atrial Pressure, 497

Neutral Endopeptidase Is Activated in Cardiomyocytes in Human Aortic Valve Stenosis and Heart Failure, 286

New Concepts in Diastolic Dysfunction and Diastolic Heart Failure: Part I: Diagnosis, Prognosis, and Measurements of Diastolic Function, 1387

New Concepts in Diastolic Dysfunction and Diastolic Heart Failure: Part H: Causal Mechanisms and Treatment, 1503

New Therapeutic Options in Congestive Heart Failure: Part I, 2099 New Therapeutic Options in Congestive Heart Failure: Part II, 2223

Norepinephrine Turnover Is Increased in Suprabulbar Subcortical Brain Regions and Is Related to Whole-Body Sympathetic Activity in Human Heart Failure, 1031

Progression of Systolic Abnormalities in Patients With "Isolated" Diastolic Heart Failure and Diastolic Dysfunction, 1195

Propranolol Prevents the Development of Heart Failure by Restoring FKBP12.6-Mediated Stabilization of Ryanodine Receptor, 1374 Pulmonary Hypertension and Risk of Death in Cardiomyopathy:

Patients With Myocarditis Are at Higher Risk, 1663

Role of Myocardial Inducible Nitric Oxide Synthase in Contractile Dysfunction and β-Adrenergic Hyporesponsiveness in Rats With Experimental Volume-Overload Heart Failure, 236

Slow Breathing Increases Arterial Baroreflex Sensitivity in Patients With Chronic Heart Failure, 143

Specific β₂AR Blocker ICI 118,551 Actively Decreases Contraction Through a G_i-Coupled Form of the β₂AR in Myocytes From Failing Human Heart, 2497

Targeting Phospholamban by Gene Transfer in Human Heart Failure,

The "Unsympathetic" Nervous System of Heart Failure, 1753

Tissue Doppler Echocardiographic Evidence of Reverse Remodeling and Improved Synchronicity by Simultaneously Delaying Regional Contraction After Biventricular Pacing Therapy in Heart Failure, 438

Tolerability of β-Blocker Initiation and Titration in the Metoprolol CR/XL Randomized Intervention Trial in Congestive Heart Failure (MERIT-HF), 1182

Women, Heart Failure, and Heart Failure Therapies, 1526

Heart failure, congestive

B-Type Natriuretic Peptide Levels: Diagnostic and Prognostic in Congestive Heart Failure: What's Next?, 2328

Heart rate

Augmented Expression of Neuronal Nitric Oxide Synthase in the Atria Parasympathetically Decreases Heart Rate During Acute Myocardial Infarction in Rats, 490

Autonomic Tone Variations Before the Onset of Paroxysmal Atrial Fibrillation, 2753

Bone Marrow-Derived Regenerated Cardiomyocytes (CMG Cells) Express Functional Adrenergic and Muscarinic Receptors, 380

Determinants of Accelerated Progression of Arterial Stiffness in Normotensive Subjects and in Treated Hypertensive Subjects Over a 6-Year Period, 1202

Slow Breathing Increases Arterial Baroreflex Sensitivity in Patients With Chronic Heart Failure, 143

Heart septal defects

Transcatheter Closure of Interatrial Communications for Secondary Prevention of Paradoxical Embolism: Single-Center Experience, 2845

Heart-assist device

Circulatory Support for Long-Term Treatment of Heart Failure: Experience With an Intraventricular Continuous Flow Pump, 2588

Initial Clinical Experience With the Jarvik 2000 Implantable Axial-Flow Left Ventricular Assist System, 2855 Heat shock proteins

Heat Shock Proteins, Inflammation, and Cardiovascular Disease, 1012 Inflammatory Response After Open Heart Surgery: Release of Heat-Shock Protein 70 and Signaling Through Toll-Like Receptor-4, 685

Hematoma

Incidence, Morphology, Angiographic Findings, and Outcomes of Intramural Hematomas After Percutaneous Coronary Interventions: An Intravascular Ultrasound Study, 2037

Hemodynamics

Angiotensin-(1-7) Attenuates the Development of Heart Failure After Myocardial Infarction in Rats, 1548

Doppler-Derived Myocardial Systolic Strain Rate Is a Strong Index of Left Ventricular Contractility, 99

Influence of Pyruvate on Contractile Performance and Ca²⁺ Cycling in Isolated Failing Human Myocardium, 194

Omapatrilat Reduces Pulse Pressure and Proximal Aortic Stiffness in Patients With Systolic Hypertension: Results of the Conduit Hemodynamics of Omapatrilat International Research Study, 2955

Oral Sildenafil Is an Effective and Specific Pulmonary Vasodilator in Patients With Pulmonary Arterial Hypertension: Comparison With Inhaled Nitric Oxide, 2398

Physical Activity and Hemostatic and Inflammatory Variables in Elderly Men, 1785

Ventricular Afterload and Ventricular Work in Fontan Circulation: Comparison With Normal Two-Ventricle Circulation and Single-Ventricle Circulation With Blalock-Taussig Shunts, 2885

Hemorrhage

Markers of Increased Risk of Intracerebral Hemorrhage After Intravenous Recombinant Tissue Plasminogen Activator Therapy for Acute Ischemic Stroke in Clinical Practice: The Multicenter rt-PA Acute Stroke Survey, 1679

Heparin

Enoxaparin as Adjunctive Antithrombin Therapy for ST-Elevation Myocardial Infarction: Results of the ENTIRE-Thrombolysis in Myocardial Infarction (TIMI) 23 Trial, 1642

In Vitro and In Vivo Evaluation of Oral Heparin-Loaded Polymeric Nanoparticles in Rabbits, 230

Heritability

Familial Aggregation of Blood Lipid Response to Exercise Training in the Health, Risk Factors, Exercise Training, and Genetics (HER-ITAGE) Family Study, 1904

Hibernation

Assessment of Myocardial Viability With Contrast-Enhanced Magnetic Resonance Imaging: Comparison With Positron Emission Tomography, 162

Mitochondrial Preference for Short Chain Fatty Acid Oxidation During Coronary Artery Constriction, 367

Myocardial Hibernation: Restorative or Preterminal Sleep?, 1517

Homocysteine

Does Oral Folic Acid Lower Total Homocysteine Levels and Improve Endothelial Function in Children With Chronic Renal Failure?, 1810

Plasma Homocysteine and Parental Myocardial Infarction in Young Adults in Jerusalem, 2725

Hormones

Comparative Effects of Estrogen and Angiotensin-Converting Enzyme Inhibition on Plasminogen Activator Inhibitor-1 in Healthy Postmenopausal Women, 304

Effect of Medroxyprogesterone Acetate on Vascular Inflammatory Markers in Postmenopausal Women Receiving Estrogen, 1436

Looking for the Pony in the HERS Data, 902

Noninvasive Assessment of Coronary Microcirculatory Function in Postmenopausal Women and Effects of Short-Term and Long-Term Estrogen Administration, 425

Peroxisome Proliferator-Activated Receptor α as a Genetic Determinant of Cardiac Hypertrophic Growth Culprit or Innocent Bystander?, 1025

Statin Attenuates Increase in C-Reactive Protein During Estrogen Replacement Therapy in Postmenopausal Women, 1531

Statin Therapy, Cardiovascular Events, and Total Mortality in the Heart and Estrogen/Progestin Replacement Study (HERS), 2962

Steroid Receptor Coactivator-3 Is Required for Inhibition of Neointima Formation by Estrogen, 2653

- Subgroup Interactions in the Heart and Estrogen/Progestin Replacement Study: Lessons Learned, 917
- Hypercholesterolemia
- Cigarette Smoke Exposure and Hypercholesterolemia Increase Mitochondrial Damage in Cardiovascular Tissues, 849
- Efficacy and Safety of Ezetimibe Coadministered With Atorvastatin or Simvastatin in Patients With Homozygous Familial Hypercholesterolemia, 2469
- Expansive Arterial Remodeling Is Associated With Increased Neointimal Macrophage Foam Cell Content: The Murine Model of Macrophage-Rich Carotid Artery Lesions, 2686
- Importance of NAD(P)H Oxidase-Mediated Oxidative Stress and Contractile Type Smooth Muscle Myosin Heavy Chain SM2 at the Early Stage of Atherosclerosis, 2288
- In Vivo Temperature Heterogeneity of Atherosclerotic Plaques Is Determined by Plaque Composition, 1596
- Simvastatin Preserves the Structure of Coronary Adventitial Vasa Vasorum in Experimental Hypercholesterolemia Independent of Lipid Lowering, 415
- Statin Attenuates Increase in C-Reactive Protein During Estrogen Replacement Therapy in Postmenopausal Women, 1531

Hypertension

- Angiotensinogen Genotype Affects Renal and Adrenal Responses to Angiotensin II in Essential Hypertension, 1921
- Antioxidative Properties of Acetylsalicylic Acid on Vascular Tissues From Normotensive and Spontaneously Hypertensive Rats, 387
- Association Between SAH, an Acyl-CoA Synthetase Gene, and Hypertriglyceridemia, Obesity, and Hypertension, 41
- Change in Diastolic Left Ventricular Filling After One Year of Antihypertensive Treatment: The Losartan Intervention For Endpoint Reduction in Hypertension (LIFE) Study, 1071
- Determinants of Accelerated Progression of Arterial Stiffness in Normotensive Subjects and in Treated Hypertensive Subjects Over a 6-Year Period, 1202
- Endogenous Ligand of α_1 Sodium Pump, Marinobufagenin, Is a Novel Mediator of Sodium Chloride-Dependent Hypertension, 1122
- Evidence for Synergy Between α₃-Adrenergic and Nonadrenergic Mechanisms in Central Blood Pressure Regulation, 1116
- Executive Summary: Conference Proceeding for Healthcare Professionals From a Special Writing Group of the American Heart Association, 2231
- Fosinopril Versus Amlodipine Comparative Treatments Study: A Randomized Trial to Assess Effects on Plasminogen Activator Inhibitor-1, 457
- Four Faces of Baroreflex Failure: Hypertensive Crisis, Volatile Hypertension, Orthostatic Tachycardia, and Malignant Vagotonia, 2518
- Hypoxia Induces Aortic Hypertrophic Growth, Left Ventricular Dysfunction, and Sympathetic Hyperinnervation of Peripheral Arteries in the Chick Embryo, 2791
- Improved Endothelium-Dependent Vasodilation After Blockade of Endothelin Receptors in Patients With Essential Hypertension, 452
- Long-Term Effects of Carotid Sinus Denervation on Arterial Blood Pressure in Humans, 1329
- Losartan-Dependent Regression of Myocardial Fibrosis Is Associated With Reduction of Left Ventricular Chamber Stiffness in Hypertensive Patients, 2512
- Omapatrilat Reduces Pulse Pressure and Proximal Aortic Stiffness in Patients With Systolic Hypertension: Results of the Conduit Hemodynamics of Omapatrilat International Research Study, 2955
- Paradoxical Pressor Effects of β -Blockers in Standing Elderly Patients With Mild Hypertension: A Beneficial Side Effect, 1669
- Peroxisome Proliferator-Activated Receptor α Gene Regulates Left Ventricular Growth in Response to Exercise and Hypertension, 950
- Raloxifene Improves Endothelial Dysfunction in Hypertension by Reduced Oxidative Stress and Enhanced Nitric Oxide Production, 2083
- Relationship Between Treatment-Induced Changes in Left Ventricular Mass and Blood Pressure in Black African Hypertensive Patients: Results of the Baragwanath Trial, 830

- Structure, Endothelial Function, Cell Growth, and Inflammation in Blood Vessels of Angiotensin II-Infused Rats: Role of Peroxisome Proliferator-Activated Receptor-γ, 2296
- Hypertension, pułmonary
 - Dichloroacetate, a Metabolic Modulator, Prevents and Reverses Chronic Hypoxic Pulmonary Hypertension in Rats: Role of Increased Expression and Activity of Voltage-Gated Potassium Channels, 244
- Gas Exchange Detection of Exercise-Induced Right-to-Left Shunt in Patients With Primary Pulmonary Hypertension, 54
- Oral Sildenafil Is an Effective and Specific Pulmonary Vasodilator in Patients With Pulmonary Arterial Hypertension: Comparison With Inhaled Nitric Oxide, 2398
- Overexpression of the Serine Elastase Inhibitor Elafin Protects Transgenic Mice From Hypoxic Pulmonary Hypertension, 516
- Primary Pulmonary Hypertension Is Associated With Reduced Pulmonary Vascular Expression of Type II Bone Morphogenetic Protein Receptor, 1672
- Pulmonary Hypertension and Risk of Death in Cardiomyopathy: Patients With Myocarditis Are at Higher Risk, 1663
- Selective Upregulation of Endothelin B Receptor Gene Expression in Severe Pulmonary Hypertension, 1034

Hypertrophy

- Accelerated Cardiomyopathy in Mice With Overexpression of Cardiac $G_x\alpha$ and a Missense Mutation in the α -Myosin Heavy Chain, 614
- Assessment of Diastolic Function With Doppler Tissue Imaging to Predict Genotype in Preclinical Hypertrophic Cardiomyopathy, 2992
- Calcineurin in Human Heart Hypertrophy, 2265
- Calcineurin Inhibition Attenuates Mineralocorticoid-Induced Cardiac Hypertrophy, 677
- Calcineurin Signaling in Human Cardiac Hypertrophy, 2242
- Effects of Matrix Metalloproteinase Inhibition on Ventricular Remodeling Due to Volume Overload, 1983
- Electrophysiological Mechanism of Enhanced Susceptibility of Hypertrophied Heart to Acquired Torsade de Pointes Arrhythmias: Tridimensional Mapping of Activation and Recovery Patterns, 1128
- Genetic Alterations That Inhibit In Vivo Pressure-Overload Hypertrophy Prevent Cardiac Dysfunction Despite Increased Wall Stress, 85
- Involvement of Nuclear Factor- κB and Apoptosis Signal-Regulating Kinase 1 in G-Protein-Coupled Receptor Agonist-Induced Cardiomyocyte Hypertrophy, 509
- Load-Dependent and -Independent Regulation of Proinflammatory Cytokine and Cytokine Receptor Gene Expression in the Adult Mammalian Heart, 2192
- Modulating Cardiac Hypertrophy by Manipulating Myocardial Lipid Metabolism?, 1152
- Neutral Endopeptidase Is Activated in Cardiomyocytes in Human Aortic Valve Stenosis and Heart Failure, 286
- Peroxisome Proliferator-Activated Receptor α as a Genetic Determinant of Cardiac Hypertrophic Growth Culprit or Innocent Bystander?, 1025
- Peroxisome Proliferator-Activated Receptor α Gene Regulates Left Ventricular Growth in Response to Exercise and Hypertension, 950
- Peroxisome Proliferator-Activated Receptor y Plays a Critical Role in
- Inhibition of Cardiac Hypertrophy In Vitro and In Vivo, 1240 Pivotal Role of a gp91^{phox}-Containing NADPH Oxidase in Angiotensin II-Induced Cardiac Hypertrophy in Mice, 293
- Relationship Between Treatment-Induced Changes in Left Ventricular Mass and Blood Pressure in Black African Hypertensive Patients: Results of the Baragwanath Trial, 830
- Remodeling of Left Ventricular Hypertrophy in Elite Athletes After Long-Term Deconditioning, 944
- Sarcomere Protein Gene Mutations in Hypertrophic Cardiomyopathy of the Elderly, 446
- Still Stressed Out but Doing Fine: Normalization of Wall Stress Is Superfluous to Maintaining Cardiac Function in Chronic Pressure Overload, 8
- Tissue Doppler Imaging Differentiates Physiological From Pathological Pressure-Overload Left Ventricular Hypertrophy in Rats,

Traditional Risk Factors and the Incidence of Sudden Coronary Death With and Without Coronary Thrombosis in Blacks, 419

Hypolipoproteinemia

Increased Plasma C-Reactive Protein in Familial Hypoalphalipoproteinemia: A Proinflammatory Condition?, 11

Hypoxia

Hypoxia Induces Aortic Hypertrophic Growth, Left Ventricular Dysfunction, and Sympathetic Hyperinnervation of Peripheral Arteries in the Chick Embryo, 2791

Overexpression of the Serine Elastase Inhibitor Elafin Protects Transgenic Mice From Hypoxic Pulmonary Hypertension, 516

Protection of Human Endothelial Cells From Oxidative Stress: Role of Ras-ERK1/2 Signaling, 968

Protection of Myocytes From Hypoxia-Reoxygenation Injury by Nitric Oxide Is Mediated by Modulation of Transforming Growth Factor-β₁, 2206

Statins Have Biphasic Effects on Angiogenesis, 739

I

Images in Cardiovascular Medicine

A Broken Heart, 779

Acute Mitral Regurgitation Due to a Torn Porcine Bioprosthetic Cusp, e58

Angiographic Evidence of Coronary-Subclavian Steal Syndrome, e184
Anomalous Course of the Left Main or Left Anterior Descending
Coronary Artery Originating From the Right Sinus of Valsalva:
Identification of Four Common Variations by Electron Beam
Tomography, e42

Aortic Allograft in the Pulmonary Position After Twenty-Three Years, 2929

Assessment of Double Chamber Right Ventricle by Magnetic Resonance Imaging, 2692

Calcification of the Atrioventricular Node in a Fetus Affected by Congenital Complete Heart Block, 1254

Coronary Thrombosis and Myocardial Bridging, 130

Diagnosis of Isolated Noncompaction of the Myocardium by Magnetic Resonance Imaging, e177

Eosinophilic Pericarditis and Myocarditis, 3066

False Left Ventricular Aneurysm Documented by Magnetic Resonance Imaging, 1734

Fibrillary/Immunotactoid Glomerulopathy With Cardiac Involvement, e120

Flash Pulmonary Edema Heralding Renal Artery Stenosis, 899

Focal In-Stent Restenosis Near Step-Up: Roles of Low and Oscillating Shear Stress?, e185

Formation of a Free Floating Left Atrial Thrombus Despite Three Weeks of Anticoagulation, e122

Fulminant Clostridium septicum Aortitis, 1871

Hypertrophic Cardiomyopathy in Monozygotic Twins, 2229

Hypothenar Hammer Syndrome, 1615

Incessant Ventricular Tachycardia in an Infant Treated With Transmural Radiofrequency Ablation, 2797

Left Main Coronary Artery Compression by the Pulmonary Trunk in Pulmonary Hypertension, 265

Left Main Rapamycin-Coated Stent: Invasive Versus Noninvasive Angiographic Follow-Up, e130

Left Vestricular Apical Pseudoaneurysm: Echocardiographic and Intra-sperative Findings, e51

Left Ventricular Involvement in Arrhythmogenic Right Ventricular Cardiomyopathy, 1394

Magnetic Resonance Angiography of Criss-Cross Heart, 537

Magnetic Resonance Contrast Enhancement of latrogenic Septal Myocardial Infarction in Hypertrophic Cardiomyopathy, 1018

Mouse Coronary Angiograph Using Synchrotron Radiation Microangiography, e3

Multiple Effusions and Lymphedema in the Yellow Nail Syndrome, e25

Multislice Spiral Computed Tomography for In-Stent Restenosis, 2005 Noncompaction of the Ventricular Myocardium, e57

Normal Chest X-Ray, 2455

Occult Anomalous Pulmonary Venous Drainage: The Clinical Value of Cardiac Magnetic Resonance Imaging, e27

Persistent Left Superior Vena Cava Demonstrated With Multislice Spiral Computed Tomography, e79 Phenotype of Infiltrating T Lymphocytes in Cardiac Sarcoidosis, e67 Positron Emission Tomography Predicted Recovery of Complete A-V Nodal Dysfunction in a Patient With Cardiac Sarcoidosis, 1144

Postoperative Dislocation of the Heart After Pneumonectomy, e49 Premature Closure of the Foramen Ovale and Ductus Arteriosus in a Fetus With Transposition of the Great Arteries, e65

Prenatal Diagnosis of Aortopulmonary Window by Fetal Echocardiography, e192

Pulmonary Vein Exit-Block During Radio-Frequency Ablation of Paroxysmal Atrial Fibrillation, e124

Pulmonary Vein Stenosis After Catheter Ablation of Atrial Arrhythmias, 2571

Radiofrequency Ablation of a Focal Atrial Tachycardia Originating From the Marshall Ligament as a Trigger for Atrial Fibrillation, 2112

Rupture of Aneurysm of the Right Sinus of Valsalva Into the Right Ventricular Outflow Tract: Treatment With Amplatzer Atrial Septal Occluder, e1

Septal Course of the Left Main Coronary Artery Originating From the Right Sinus of Valsalva, 1511

Sequential Saphenous Vein Coronary Bypass Graft With Patency of 22 Years, 397

Tear, Tumor, or Thrombus, e193

Temporal and Spatial Changes in Left Ventricular Pattern of Flow During Continuous Assist Device "Heart Mate II", 2324

Three-Dimensional Computed Tomography Showing Partial Anomalous Pulmonary Venous Connection Complicated by the Scimitar Syndrome, 663

3D-Magnetic Resonance Angiogram of Heterotopic Heart Transplant, e36

Total Cavo-Pulmonary Connection: A Virtual 3-Dimensional Fly-Through, e176

Truncus Arteriosus and Double Aortic Arch, e170

Unusual Angiographic Appearance of Scimitar Syndrome Associated With Primitive Hepatic Venous Plexus, e78

Imaging

Coronary Flow Velocity Reserve After Percutaneous Interventions Is Predictive of Periprocedural Outcome, 1573

Detection of Myocardial Ischemia in Patients With Diabetes Mellitus,

Disrobing the Emperor (Heart) Without Destroying the Dignity of Super-Normality, 2934

Dynamic Changes in Three-Dimensional Architecture and Vascular Volume of Transmural Coronary Microvasculature Between Diastolic- and Systolic-Arrested Rat Hearts, 621

Evolution of the Study of Left Ventricular Function: Everything Old Is New Again. 2701

Identification of Atherosclerotic Plaque Components With Intravascular Ultrasound Elastography In Vivo: A Yucatan Pig Study, 1627
Imaging Atherosclerotic Plaque Inflammation With [18F]-

Fluorodeoxyglucose Positron Emission Tomography. 2708

Imaging of Oxygen Transfer Among Microvessels of Rat Cremaster Muscle, 1713

Impact of Diabetes on the Risk Stratification Using Stress Single-Photon Emission Computed Tomography Myocardial Perfusion Imaging in Patients With Symptoms Suggestive of Coronary Artery Disease, 32

In Vivo Imaging of Proteolytic Activity in Atherosclerosis, 2766

Mechanisms of Coronary Microcirculatory Dysfunction in Patients With Aortic Stenosis and Angiographically Normal Coronary Arteries, 470

Optical Imaging of Cardiac Reporter Gene Expression in Living Rats, 1631

Patients With Glanzmann Thrombasthenia Lacking Platelet Glycoprotein $\alpha_{010}\beta_3$ (GPIIb/IIIa) and $\alpha_x\beta_3$ Receptors Are Not Protected From Atherosclerosis, 1044

Quantification of Left Ventricular Systolic Function by Tissue Doppler Echocardiography: Added Value of Measuring Pre- and Postejection Velocities in Ischemic Myocardium, 2071

Standardized Myocardial Segmentation and Nomenclature for Tomographic Imaging of the Heart: A Statement for Healthcare Professionals From the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association, 539

- Strain Rate Imaging for Assessment of Regional Myocardial Function: Results From a Clinical Model of Septal Ablation, 1403
- Tissue Doppler Imaging Differentiates Physiological From Pathological Pressure-Overload Left Ventricular Hypertrophy in Rats, 1602
- Use of a Blood Substitute to Determine Instantaneous Murine Right Ventricular Thickening With Optical Coherence Tomography, 1843
- Validation of Collateral Fractional Flow Reserve by Myocardial Perfusion Imaging, 1060
- Vessel Imaging by Interferometric Phase-Contrast X-Ray Technique, 1708

Immune system

- Celiac Disease Associated With Autoimmune Myocarditis, 2611
- Expression of Toll-Like Receptors in Human Atherosclerotic Lesions: A Possible Pathway for Plaque Activation, 1158
- Functional Inhibition of Ras by *S-trans.trans*-Farnesyl Thiosalicylic
 Acid Attenuates Atherosclerosis in Apolipoprotein E Knockout
 Mice, 2416
- Influenza Vaccine Pilot Study in Acute Coronary Syndromes and Planned Percutaneous Coronary Interventions: The FLU Vaccination Acute Coronary Syndromes (FLUVACS) Study, 2143
- Maternal Anti-Ro and Anti-La Antibody-Associated Endocardial Fibroelastosis, 843
- Platelets Activated by Collagen Through Immunoreceptor Tyrosine-Based Activation Motif Play Pivotal Role in Initiation and Generation of Neointimal Hyperplasia After Vascular Injury, 912

Immunohistochemistry

- Carvedilol Decreases Elevated Oxidative Stress in Human Failing Myocardium, 2867
- Primary Pulmonary Hypertension Is Associated With Reduced Pulmonary Vascular Expression of Type II Bone Morphogenetic Protein Receptor, 1672

Immunology

Suppression of Murine Cardiac Allograft Arteriopathy by Long-Term Blockade of CD40-CD154 Interactions, 1609

In Memorian

- In Memoriam: Jeffrey M. Isner, MD, 268
- In Memoriam: Mario S. Verani, MD: 1943-2001, 782
- In Memoriam: Victor J. Ferrans, MD, PhD: 1937-2001, 544

Infarction

- Different Effects of Carvedilol, Metoprolol, and Propranolol on Left Ventricular Remodeling After Coronary Stenosis or After Permanent Coronary Occlusion in Rats. 975
- Effects of Pinacidil on Electrophysiological Properties of Epicardial Border Zone of Healing Canine Infarcts: Possible Effects of K_{ATP} Channel Activation, 2309
- Intracoronary Thrombectomy With the X-Sizer Catheter System Improves Epicardial Flow and Accelerates ST-Segment Resolution in Patients With Acute Coronary Syndrome: A Prospective, Randomized, Controlled Study, 2355
- Myocardial Magnetic Resonance Imaging Contrast Agent Concentrations After Reversible and Irreversible Ischemic Injury, 224

Infection

- Effect of 3 Months of Antimicrobial Treatment With Clarithromycin in Acute Non-Q-Wave Coronary Syndrome, 1555
- Effect of Azithromycin Treatment on Endothelial Function in Patients
 With Coronary Artery Disease and Evidence of Chlamydia
 pneumoniae Infection, 1298
- Foam Cell Formation Inhibits Growth of Chlamydia pneumoniae but Does Not Attenuate Chlamydia pneumoniae-Induced Secretion of Proinflammatory Cytokines, 1976
- Impact of Infectious Burden on Extent and Long-Term Prognosis of Atherosclerosis, 15
- Increased Prevalence of Carotid Atherosclerosis in Hepatitis B Virus Carriers, 1028
- Influenza Vaccine Pilot Study in Acute Coronary Syndromes and Planned Percutaneous Coronary Interventions: The FLU Vaccination Acute Coronary Syndromes (FLUVACS) Study, 2143
- Porphyromonas gingivalis Infection Accelerates the Progression of Atherosclerosis in a Heterozygous Apolipoprotein E-Deficient Murine Model, 861
- Unique Features of Infective Endocarditis in Childhood, 2115

Inflammation

- Activated Monocytes Induce Smooth Muscle Cell Death: Role of Macrophage Colony-Stimulating Factor and Cell Contact. 174
- Activation of Nuclear Factor-κB Significantly Contributes to Lumen Loss in a Rabbit Iliac Artery Balloon Angioplasty Model, 633
- Advanced Glycation End Products Activate Endothelium Through Signal-Transduction Receptor RAGE: A Mechanism for Amplification of Inflammatory Responses, 816
- Cardiopulmonary Bypass Induces Release of Soluble CD40 Ligand, 2849
- Direct Evidence for Tumor Necrosis Factor- α Signaling in Arteriogenesis, 1639
- Effect of Medroxyprogesterone Acetate on Vascular Inflammatory Markers in Postmenopausal Women Receiving Estrogen, 1436
- Effects of Cholesterol and Inflammation-Sensitive Plasma Proteins on Incidence of Myocardial Infarction and Stroke in Men. 2632
- Elevated C-Reactive Protein in Patients With Obstructive Sleep Apnea, 2462
- Elevated C-Reactive Protein Values and Atherosclerosis in Sudden Coronary Death: Association With Different Pathologies, 2019
- Expression of Macrophage Migration Inhibitory Factor in Different Stages of Human Atherosclerosis, 1561
- Heat Shock Proteins, Inflammation, and Cardiovascular Disease, 1012 Identification of Atherosclerotic Plaque Components With Intravascu-
- lar Ultrasound Elastography In Vivo: A Yucatan Pig Study, 1627 Increased Plasma C-Reactive Protein in Familial Hypoalphalipoproteinemia: A Proinflammatory Condition?, 11
- Inflammation and Atherosclerosis, 1135
- Inflammation and Long-Term Mortality After Non-ST Elevation Acute Coronary Syndrome Treated With a Very Early Invasive Strategy in 1042 Consecutive Patients, 1412
- Inflammatory Biomarkers, Statins, and the Risk of Stroke: Cracking a Clinical Conundrum, 2583
- Inflammatory Response After Open Heart Surgery: Release of Heat-Shock Protein 70 and Signaling Through Toll-Like Receptor-4,
- Influence of C3 Deficiency on Atherosclerosis, 3025
- Intimomedial Interface Damage and Adventitial Inflammation Is Increased Beneath Disrupted Atherosclerosis in the Aorta: Implications for Plaque Vulnerability, 2504
- Morphological Predictors of Arterial Remodeling in Coronary Atherosclerosis, 297
- Multimarker Approach to Risk Stratification in Non-ST Elevation Acute Coronary Syndromes: Simultaneous Assessment of Troponin I, C-Reactive Protein, and B-Type Natriuretic Peptide, 1760
- Noninvasive Imaging of Myocardial Reperfusion Injury Using Leukocyte-Targeted Contrast Echocardiography, 1764
- Physical Activity and Hemostatic and Inflammatory Variables in Elderly Men, 1785
- Prevention of Inflammation-Induced Endothelial Dysfunction: A Novel Vasculo-Protective Action of Aspirin, 2600
- Prospective Study of C-Reactive Protein, Homocysteine, and Plasma Lipid Levels as Predictors of Sudden Cardiac Death, 2595
- Risk of Myocardial Infarction and Angina in Patients With Severe Peripheral Vascular Disease: Predictive Role of C-Reactive Protein, 800
- Serum Elastase Activity, Serum Elastase Inhibitors, and Occurrence of Carotid Atherosclerotic Plaques: The Etude sur le Vieillissement Artériel (EVA) Study, 2638
- Statin Attenuates Increase in C-Reactive Protein During Estrogen Replacement Therapy in Postmenopausal Women, 1531
- Statins Have Biphasic Effects on Angiogenesis, 739
- Structure, Endothelial Function, Cell Growth, and Inflammation in Blood Vessels of Angiotensin II-Infused Rats: Role of Peroxisome Proliferator-Activated Receptor-y, 2296
- Sudden Death Predictors: An Inflammatory Association. 2574
- Systemic Inflammation Induced by Lipopolysaccharide Increases Neointimal Formation After Balloon and Stent Injury in Rabbits. 2017
- Ubiquitin-Proteasome Pathway as a New Target for the Prevention of Restenosis, 483
- Vascular Endothelial Growth Factor Is Necessary in the Development of Arteriosclerosis by Recruiting/Activating Monocytes in a Rat Model of Long-Term Inhibition of Nitric Oxide Synthesis, 1110

Weight Loss Reduces C-Reactive Protein Levels in Obese Postmenopausal Women, 564

Inhibitors

Direct Thrombin Inhibitors in Acute Coronary Syndromes: Present and Future, 1004

Effect of Abciximab on Prothrombin Activation and Thrombin Generation in Acute Coronary Syndromes Without ST-Segment Elevation: Global Utilization of Strategies to Open Occluded Coronary Arteries Trial IV in Acute Coronary Syndromes (GUSTO IV ACS) Italian Hematologic Substudy, 928

Ubiquitin-Proteasome Pathway as a New Target for the Prevention of Restenosis, 483

Insulin

Decreased Cardiac Expression of Vascular Endothelial Growth Factor and Its Receptors in Insulin-Resistant and Diabetic States: A Possible Explanation for Impaired Collateral Formation in Cardiac Tissue, 373

Insulin Causes Endothelial Dysfunction in Humans: Sites and Mechanisms, 576

Proinsulin Is an Independent Predictor of Coronary Heart Disease: Report From a 27-Year Follow-Up Study, 2153

Sex Differences in the Association Between Proinsulin and Intact Insulin With Coronary Heart Disease in Nondiabetic Older Adults: The Rancho Bernardo Study, 1311

Interleukins

Local Expression of Interleukin-1 Receptor Antagonist by Plasmid DNA Improves Mortality and Decreases Myocardial Inflammation in Experimental Coxsackieviral Myocarditis, 1278

Obligatory Role of Cyclic Adenosine Monophosphate Response Element in Cyclooxygenase-2 Promoter Induction and Feedback Regulation by Inflammatory Mediators, 2760

Reduction of Inflammatory Cytokine Concentrations and Improvement of Endothelial Functions in Obese Women After Weight Loss Over One Year, 804

Intervals

New Bayesian Discriminator for Detection of Atrial Tachyarrhythmias 1477

Ion channels

Clinical and Molecular Heterogeneity in the Brugada Syndrome: A Novel Gene Locus on Chromosome 3, 707

Dichloroacetate, a Metabolic Modulator, Prevents and Reverses Chronic Hypoxic Pulmonary Hypertension in Rats: Role of Increased Expression and Activity of Voltage-Gated Potassium Channels, 244

Electrophysiological Modulation of Cardiomyocytic Tissue by Transfected Fibroblasts Expressing Potassium Channels: A Novel Strategy to Manipulate Excitability, 522

Electrophysiology and Arrhythmogenic Activity of Single Cardiomyocytes From Canine Superior Vena Cava, 2679

HMG-CoA Reductase Inhibitors Suppress Intracellular Calcium Mobilization and Membrane Current Induced by Lysophosphatidylcholine in Endothelial Cells, 962

Inhibition of Calcineurin and Sarcolemmal Ca²⁺ Influx Protects Cardiac Morphology and Ventricular Function in K_c4.2N Transgenic Mice. 1850

Loss of Preconditioning by Attenuated Activation of Myocardial ATP-Sensitive Potassium Channels in Elderly Patients Undergoing Coronary Angioplasty, 334

Novel KCNJ2 Mutation in Familial Periodic Paralysis With Ventricular Dysrhythmia, 2592

Unique Topographical Distribution of M Cells Underlies Reentrant Mechanism of Torsade de Pointes in the Long-QT Syndrome, 1247

Ischemia

Cardiac Membrane Fatty Acid Composition Modulates Myocardial Oxygen Consumption and Postischemic Recovery of Contractile Function, 2303

Catheter-Based Endomyocardial Injection With Real-Time Magnetic Resonance Imaging, 1282

Cyclooxygenase-1 and Bicistronic Cyclooxygenase-1/Prostacyclin Synthase Gene Transfer Protect Against Ischemic Cerebral Infarction, 1962

Detection of Myocardial Ischemia in Patients With Diabetes Mellitus,

Diazoxide Opens the Mitochondrial Permeability Transition Pore and Alters Ca²⁺ Transients in Rat Ventricular Myocytes, 2666

Different Effects of Carvedilol, Metoprolol, and Propranolol on Left Ventricular Remodeling After Coronary Stenosis or After Permanent Coronary Occlusion in Rats, 975

Effects of Pinacidil on Electrophysiological Properties of Epicardial Border Zone of Healing Canine Infarcts: Possible Effects of K_{ATP} Channel Activation, 2309

Endothelial Progenitor Cell Vascular Endothelial Growth Factor Gene Transfer for Vascular Regeneration, 732

Gene Therapy Strategy for Long-Term Myocardial Protection Using Adeno-Associated Virus-Mediated Delivery of Heme Oxygenase Gene, 602

Impact of Myocardial Ischemia and Reperfusion on Ventricular Defibrillation Patterns, Energy Requirements, and Detection of Recovery, 2537

Increased Myocardial Gene Expression of Tumor Necrosis Factor-α and Nitric Oxide Synthase-2: A Potential Mechanism for Depressed Myocardial Function in Hibernating Myocardium in Humans, 1537

Loss of Preconditioning by Attenuated Activation of Myocardial ATP-Sensitive Potassium Channels in Elderly Patients Undergoing Coronary Angioplasty, 334

Mental Stress-Induced Ischemia and All-Cause Mortality in Patients With Coronary Artery Disease: Results From the Psychophysiological Investigations of Myocardial Ischemia Study, 1780

Metabolic Modulation: A Means to Mend a Broken Heart, 140Mitochondrial Preference for Short Chain Fatty Acid OxidationDuring Coronary Artery Constriction, 367

Myocardial Magnetic Resonance Imaging Contrast Agent Concentrations After Reversible and Irreversible Ischemic Injury, 224

No-Reflow Phenomenon, 656 Noninvasive Imaging of Myocardial Reperfusion Injury Using

Leukocyte-Targeted Contrast Echocardiography, 1764
Patterns of Myocardial Endothelin-1 Expression and Outcome After
Cardiac Transplantation, 1768

Perfusion Versus Function: The Ischemic Cascade in Demand Ischemia: Implications of Single-Vessel Versus Multivessel Stenosis,

Phase 1/2 Placebo-Controlled, Double-Blind, Dose-Escalating Trial of Myocardial Vascular Endothelial Growth Factor 2 Gene Transfer by Catheter Delivery in Patients With Chronic Myocardial Ischemia, 2012

Postischemic Recovery of Contractile Function is Impaired in SOD2+1- but Not SOD1+1- Mouse Hearts, 981

Quantification of Left Ventricular Systolic Function by Tissue Doppler Echocardiography: Added Value of Measuring Pre- and Postejection Velocities in Ischemic Myocardium, 2071

Role of Cyclic Guanosine Monophosphate in Late Preconditioning in Conscious Rabbits, 3046

S-Nitroso Human Serum Albumin Treatment Reduces Ischemia/ Reperfusion Injury in Skeletal Muscle via Nitric Oxide Release. 3032

Suppression of Coronary Artery Spasm by the Rho-Kinase Inhibitor Fasudil in Patients With Vasospastic Angina, 1545

Targeting Kinin B₁ Receptor for Therapeutic Neovascularization, 360 Withdrawal of Statins Increases Event Rates in Patients With Acute Coronary Syndromes, 1446

K

Kawasaki disease

Assessment of Coronary Function in Children With a History of Kawasaki Disease Using ¹⁵O-Water Positron Emission Tomography. 2878

Coronary Magnetic Resonance Angiography in Adolescents and Young Adults With Kawasaki Disease, 908

Systemic Production of Vascular Endothelial Growth Factor and fms-Like Tyrosine Kinase-1 Receptor in Acute Kawasaki Disease. 766

Kidne

Angiotensinogen Genotype Affects Renal and Adrenal Responses to Angiotensin II in Essential Hypertension, 1921

Benefits and Safety of Tirofiban Among Acute Coronary Syndrome Patients With Mild to Moderate Renal Insufficiency: Results

- From the Platelet Receptor Inhibition in Ischemic Syndrome Management in Patients Limited by Unstable Signs and Symptoms (PRISM-PLUS) Trial, 2361
- Evaluation and Treatment of Patients With Systemic Hypertension,
- Incidence and Prognostic Importance of Acute Renal Failure After Percutaneous Coronary Intervention, 2259
- Induction of Functional Bradykinin B₁-Receptors in Normotensive Rats and Mice Under Chronic Angiotensin-Converting Enzyme Inhibitor Treatment, 627
- Long-Term Survival of Dialysis Patients in the United States With Prosthetic Heart Valves: Should ACC/AHA Practice Guidelines on Valve Selection Be Modified?, 1336
- Outcomes of Patients With Chronic Renal Insufficiency in the Bypass Angioplasty Revascularization Investigation, 2253
- Plasma Norepinephrine Predicts Survival and Incident Cardiovascular Events in Patients With End-Stage Renal Disease, 1354

- Dichloroacetate, a Metabolic Modulator, Prevents and Reverses Chronic Hypoxic Pulmonary Hypertension in Rats: Role of Increased Expression and Activity of Voltage-Gated Potassium Channels, 244
- Overexpression of a Constitutively Active Protein Kinase G Mutant Reduces Neointima Formation and In-Stent Restenosis, 2911

L

Use of a Blood Substitute to Determine Instantaneous Murine Right Ventricular Thickening With Optical Coherence Tomography, 1843

LDL oxidation

Oral Administration of an Apo A-I Mimetic Peptide Synthesized From D-Amino Acids Dramatically Reduces Atherosclerosis in Mice Independent of Plasma Cholesterol, 290

Lesion

Expression of Macrophage Migration Inhibitory Factor in Different Stages of Human Atherosclerosis, 1561

Leukocytes

- Expansive Arterial Remodeling Is Associated With Increased Neointimal Macrophage Foam Cell Content: The Murine Model of Macrophage-Rich Carotid Artery Lesions, 2686
- Increased Platelet Binding to Circulating Monocytes in Acute Coronary Syndromes, 2166
- Monocyte/Macrophage Regulation of Vascular Calcification In Vitro, 650
- Platelet-Monocyte Aggregates: Bridging Thrombosis and Inflammation, 2130
- Proteolysis of Tissue Factor Pathway Inhibitor-1 by Thrombolysis in Acute Myocardial Infarction, 279
- Systemic Inflammation Induced by Lipopolysaccharide Increases Neointimal Formation After Balloon and Stent Injury in Rabbits, 2917

Prevention of Coronary Heart Disease by Diet and Lifestyle: Evidence From Prospective Cross-Cultural, Cohort, and Intervention Stud-

Ligands

Sensitivity to Apoptosis Signal, Clearance Rate, and Ultrastructure of Fas Ligand-Induced Apoptosis in In Vivo Adult Cardiac Cells, 3039

Linkage mapping

Genetic Modifier Loci Affecting Survival and Cardiac Function in Murine Dilated Cardiomyopathy, 1824

Lipids

- Association Between SAH, an Acyl-CoA Synthetase Gene, and Hypertriglyceridemia, Obesity, and Hypertension, 41
- Atorvastatin Inhibits Hypercholesterolemia-Induced Cellular Proliferation and Bone Matrix Production in the Rabbit Aortic Valve, 2660
- Coronary Collateral Size, Flow Capacity, and Growth: Estimates From the Angiogram in Patients With Obstructive Coronary Disease,
- Dietary Prescriptions to Control Dyslipidemias, 132

- Efficacy and Safety of Ezetimibe Coadministered With Atorvastatin or Simvastatin in Patients With Homozygous Familial Hypercholesterolemia, 2469
- Familial Aggregation of Blood Lipid Response to Exercise Training in the Health, Risk Factors, Exercise Training, and Genetics (HER-ITAGE) Family Study, 1904
- Foam Cell Formation Inhibits Growth of Chlamydia pneumoniae but Does Not Attenuate Chlamydia pneumoniae-Induced Secretion of Proinflammatory Cytokines, 1976
- Identification of Atherosclerotic Plaque Components With Intravascular Ultrasound Elastography In Vivo: A Yucatan Pig Study. 1627
- Vivo Temperature Heterogeneity of Atherosclerotic Plaques Is Determined by Plaque Composition, 1596
- Modulating Cardiac Hypertrophy by Manipulating Myocardial Lipid Metabolism?, 1152
- Monocyte/Macrophage Regulation of Vascular Calcification In Vitro, 650
- New National Cholesterol Education Program III Guidelines for Primary Prevention Lipid-Lowering Drug Therapy: Projected Impact on the Size, Sex, and Age Distribution of the Treatment-Eligible Population, 152
- Plasma Homocysteine Concentration, Statin Therapy, and the Risk of First Acute Coronary Events, 1776
- Prospective Study of C-Reactive Protein, Homocysteine, and Plasma Lipid Levels as Predictors of Sudden Cardiac Death, 2595
- Relationship Between Lipid Levels and Clinical Outcomes in the Long-Term Intervention With Pravastatin in Ischemic Disease (LIPID) Trial: To What Extent Is the Reduction in Coronary Events With Pravastatin Explained by On-Study Lipid Levels?, 1162
- Statin Therapy, Cardiovascular Events, and Total Mortality in the Heart and Estrogen/Progestin Replacement Study (HERS), 2962
- Statins Have Biphasic Effects on Angiogenesis, 739 Trans-Fatty Acids and Sudden Cardiac Death, 669

Lipoproteins

- Coronary Heart Disease in Patients With Low LDL-Cholesterol: Benefit of Pravastatin in Diabetics and Enhanced Role for HDL-Cholesterol and Triglycerides as Risk Factors, 1424
- Effect of Medroxyprogesterone Acetate on Vascular Inflammatory Markers in Postmenopausal Women Receiving Estrogen, 1436
- Efficacy and Safety of a Novel Cholesteryl Ester Transfer Protein Inhibitor, JTT-705, in Humans: A Randomized Phase II Dose-Response Study, 2159
- Efficacy and Safety of Ezetimibe Coadministered With Atorvastatin or Simvastatin in Patients With Homozygous Familial Hypercholesterolemia, 2469
- Enhanced Expression of the LDL Receptor Family Member LR11 Increases Migration of Smooth Muscle Cells In Vitro, 1830
- Executive Summary: Conference Proceeding for Healthcare Professionals From a Special Writing Group of the American Heart Association, 2231
- Impairment of Collateral Formation in Lipoprotein(a) Transgenic Mice: Therapeutic Angiogenesis Induced by Human Hepatocyte Growth Factor Gene. 1491
- Increased Plasma C-Reactive Protein in Familial Hypoalphalipoproteinemia: A Proinflammatory Condition?, 11
- Is the Oxidative Modification Hypothesis Relevant to Human Atherosclerosis?: Do the Antioxidant Trials Conducted to Date Refute the Hypothesis?, 2107
- Paradoxical Reduction of Fatty Streak Formation in Mice Lacking Endothelial Nitric Oxide Synthase, 2078
- Plasma Homocysteine Concentration, Statin Therapy, and the Risk of First Acute Coronary Events, 1776

Liver

Vessel Imaging by Interferometric Phase-Contrast X-Ray Technique, 1708

Long-QT syndrome

- Allelic Variants in Long-QT Disease Genes in Patients With Drug-Associated Torsades de Pointes, 1943
- Clinical, Genetic, and Biophysical Characterization of SCN5A Mutations Associated With Atrioventricular Conduction Block, 341
- Electrophysiological Mechanism of Enhanced Susceptibility of Hypertrophied Heart to Acquired Torsade de Pointes Arrhythmias: Tridimensional Mapping of Activation and Recovery Patterns, 1128

- Increased Risk of Arrhythmic Events in Long-QT Syndrome With Mutations in the Pore Region of the Human Ether-a-go-go-Related Gene Potassium Channel, 794
- Na* Channel Mutation That Causes Both Brugada and Long-QT Syndrome Phenotypes: A Simulation Study of Mechanism, 1208
- Pharmacological Rescue of Human K* Channel Long-QT2 Mutations:

 Human Ether-a-Go-Go-Related Gene Rescue Without Block,
 2830

Lung

- Overexpression of the Serine Elastase Inhibitor Elafin Protects Transgenic Mice From Hypoxic Pulmonary Hypertension, 516
- Passage of Inhaled Particles Into the Blood Circulation in Humans,

Lymphocytes

T-Cell-Mediated Lysis of Endothelial Cells in Acute Coronary Syndromes, 570

M

Macrophage

Cyclooxygenase-2 Promotes Early Atherosclerotic Lesion Formation in LDL Receptor-Deficient Mice, 1816

Magnetic resonance imaging

- Artifact-Free In-Stent Lumen Visualization by Standard Magnetic Resonance Angiography Using a New Metallic Magnetic Resonance Imaging Stent, 1772
- Assessment of Myocardial Viability With Contrast-Enhanced Magnetic Resonance Imaging: Comparison With Positron Emission Tomography, 162
- Catheter-Based Endomyocardial Injection With Real-Time Magnetic Resonance Imaging, 1282
- Coronary Magnetic Resonance Angiography in Adolescents and Young Adults With Kawasaki Disease, 908
- Detection of Vein Graft Disease Using High-Resolution Magnetic Resonance Angiography, 328
- Endovascular Aneurysm Repair: Magnetic Resonance Monitoring of Histological Organization Processes in the Excluded Aneurysm, 1995
- Identification of Fibrous Cap Rupture With Magnetic Resonance Imaging Is Highly Associated With Recent Transient Ischemic Attack or Stroke, 181
- Magnetic Resonance-Guided Coronary Artery Stent Placement in a Swine Model, 874
- Myocardial Magnetic Resonance Imaging Contrast Agent Concentrations After Reversible and Irreversible Ischemic Injury, 224
- Progression and Regression of Atherosclerotic Lesions: Monitoring With Serial Noninvasive Magnetic Resonance Imaging, 993

Mapping

- Characteristics of Wavefront Propagation in Reentrant Circuits Causing Human Ventricular Tachycardia, 2172
- Characterization of Reentrant Circuits in Left Atrial Macroreentrant Tachycardia: Critical Isthmus Block Can Prevent Atrial Tachycardia Recurrence, 1934
- Electrical Conduction in Canine Pulmonary Veins: Electrophysiological and Anatomic Correlation, 2442
- Electroanatomic Substrate of Idiopathic Left Ventricular Tachycardia:
 Unidirectional Block and Macroreentry Within the Purkinje
 Network, 462
- Electrophysiological Modulation of Cardiomyocytic Tissue by Transfected Fibroblasts Expressing Potassium Channels: A Novel Strategy to Manipulate Excitability, 522
- Isthmus Characteristics of Reentrant Ventricular Tachycardia After Myocardial Infarction, 726
- Unique Topographical Distribution of M Cells Underlies Reentrant Mechanism of Torsade de Pointes in the Long-QT Syndrome, 1247

Mechanics

Fibrillin-1 Genotype Is Associated With Aortic Stiffness and Disease Severity in Patients With Coronary Artery Disease, 810

Men

Physical Activity and Coronary Event Incidence in Northern Ireland and France: The Prospective Epidemiological Study of Myocardial Infarction (PRIME), 2247

Menopause

Noninvasive Assessment of Coronary Microcirculatory Function in Postmenopausal Women and Effects of Short-Term and Long-Term Estrogen Administration, 425

Meta-analysis

Meta-Analysis of Wine and Beer Consumption in Relation to Vascular Risk, 2836

Metabolism

- Dichloroacetate, a Metabolic Modulator, Prevents and Reverses Chronic Hypoxic Pulmonary Hypertension in Rats: Role of Increased Expression and Activity of Voltage-Gated Potassium Channels, 244
- Metabolic Modulation: A Means to Mend a Broken Heart, 140
- Obesity, Metabolic Syndrome, and Coronary Atherosclerosis, 2696
- Peroxisome Proliferator-Activated Receptor α as a Genetic Determinant of Cardiac Hypertrophic Growth Culprit or Innocent Bystander?, 1025

Metalloproteinases

- Altered Expression of ADAMs (A Disintegrin And Metalloproteinase) in Fibrillating Human Atria, 720
- Angiostatin Inhibits Coronary Angiogenesis During Impaired Production of Nitric Oxide, 2185
- Expansive Arterial Remodeling Is Associated With Increased Neointimal Macrophage Foam Cell Content: The Murine Model of Macrophage-Rich Carotid Artery Lesions, 2686
- Fluvastatin, a 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Inhibitor, Attenuates Left Ventricular Remodeling and Failure After Experimental Myocardial Infarction, 868
- Myocardial Ischemic Injury After Heart Transplantation Is Associated With Upregulation of Vitronectin Receptor ($\alpha_v \beta_3$), Activation of the Matrix Metalloproteinase Induction System, and Subsequent Development of Coronary Vasculopathy, 1955
- Neutral Endopeptidase Is Activated in Cardiomyocytes in Human Aortic Valve Stenosis and Heart Failure, 286
- New Insights Into the World of Matrix Metalloproteinases, 405
- Selective Matrix Metalloproteinase Inhibition Reduces Left Ventricular Remodeling but Does Not Inhibit Angiogenesis After Myocardial Infarction, 753
- Serum Elastase Activity, Serum Elastase Inhibitors, and Occurrence of Carotid Atherosclerotic Plaques: The Etude sur le Vieillissement Artériel (EVA) Study, 2638
- Stromelysin-1 (Matrix Metalloproteinase-3) and Tissue Inhibitor of Metalloproteinase-3 Are Overexpressed in the Wall of Abdominal Aortic Aneurysms, 477

Mice

Cyclooxygenase-2 Promotes Early Atherosclerotic Lesion Formation in LDL Receptor-Deficient Mice, 1816

Microarra

Maternal Hypercholesterolemia During Pregnancy Promotes Early Atherogenesis in LDL Receptor-Deficient Mice and Alters Aortic Gene Expression Determined by Microarray, 1360

Microcirculation

- Angiotensin-Converting Enzyme Inhibitors Improve Coronary Flow Reserve in Dilated Cardiomyopathy by a Bradykinin-Mediated, Nitric Oxide-Dependent Mechanism, 2785
- Coronary Flow Velocity Reserve After Percutaneous Interventions Is Predictive of Periprocedural Outcome, 1573
- Coronary Thermodilution to Assess Flow Reserve: Validation in Humans, 2482
- Dynamic Changes in Three-Dimensional Architecture and Vascular Volume of Transmural Coronary Microvasculature Between Diastolic- and Systolic-Arrested Rat Hearts, 621
- Imaging of Oxygen Transfer Among Microvessels of Rat Cremaster Muscle, 1713
- Intracoronary Thrombectomy With the X-Sizer Catheter System Improves Epicardial Flow and Accelerates ST-Segment Resolution in Patients With Acute Coronary Syndrome: A Prospective, Randomized, Controlled Study, 2355
- Mechanisms of Coronary Microcirculatory Dysfunction in Patients With Aortic Stenosis and Angiographically Normal Coronary Arteries, 470
- No-Reflow Phenomenon, 656
- No-Reflow Phenomenon and Lesion Morphology in Patients With Acute Myocardial Infarction, 2148

- Prognostic Role of Myocardial Blood Flow Impairment in Idiopathic Left Ventricular Dysfunction, 186
- TIMI Myocardial Perfusion Grade and ST Segment Resolution: Association With Infarct Size as Assessed by Single Photon Emission Computed Tomography Imaging, 282

Microspheres

Direct Evidence for Tumor Necrosis Factor-α Signaling in Arteriogenesis, 1639

Mitochondria

Cigarette Smoke Exposure and Hypercholesterolemia Increase Mitochondrial Damage in Cardiovascular Tissues, 849

Mitral valve

- Internal Cardioversion of Chronic Atrial Fibrillation During Percutaneous Mitral Commissurotomy: Insight Into Reversal of Chronic Stretch-Induced Atrial Remodeling, 2746
- Which Patients Benefit From Percutaneous Mitral Balloon Valvuloplasty? Prevalvuloplasty and Postvalvuloplasty Variables That Predict Long-Term Outcome, 1465

Molecular biology

- Metavinculin Mutations Alter Actin Interaction in Dilated Cardiomyopathy, 431
- Myocardial Fibrosis in Chronic Aortic Regurgitation: Molecular and Cellular Responses to Volume Overload, 1837
- New Therapeutic Options in Congestive Heart Failure: Part II, 2223
- Early and Sustained Survival Benefit Associated With Statin Therapy at the Time of Percutaneous Coronary Intervention, 691
- Improving Outcomes in Heart Failure: It's Not Unusual Beyond Usual Care, 2810
- Mitral Ratio of Peak Early to Late Diastolic Filling Velocity as a Predictor of Mortality in Middle-Aged and Elderly Adults: The Strong Heart Study, 1928
- Outcomes of Patients With Chronic Renal Insufficiency in the Bypass Angioplasty Revascularization Investigation, 2253
- Predicting Death in Patients With Acute Type A Aortic Dissection, 200
- Principal Component Analysis of the T Wave and Prediction of Cardiovascular Mortality in American Indians: The Strong Heart Study, 714
- Relationship Between Lipid Levels and Clinical Outcomes in the Long-Term Intervention With Pravastatin in Ischemic Disease (LIPID) Trial: To What Extent Is the Reduction in Coronary Events With Pravastatin Explained by On-Study Lipid Levels?,
- Sex Differences in Hospital Mortality After Coronary Artery Bypass Surgery: Evidence for a Higher Mortality in Younger Women, 1176
- Tea Consumption and Mortality After Acute Myocardial Infarction,
- Wine, Beer, and Spirits: Are They Really Horses of a Different Color?, 2806

Muscle, skeletal

- Targeting Kinin B₁ Receptor for Therapeutic Neovascularization, 360 Muscle, smooth
- Activated Monocytes Induce Smooth Muscle Cell Death: Role of Macrophage Colony-Stimulating Factor and Cell Contact, 174
- Adenovirus-Mediated Heme Oxygenase-1 Gene Expression Stimulates Apoptosis in Vascular Smooth Muscle Cells, 79
- Adipocyte-Derived Plasma Protein Adiponectin Acts as a Platelet-Derived Growth Factor-BB-Binding Protein and Regulates Growth Factor-Induced Common Postreceptor Signal in Vascular Smooth Muscle Cell, 2893
- Administration of a Decoy Against the Activator Protein-1 Binding Site Suppresses Neointimal Thickening in Rabbit Balloon-Injured Arteries, 1226
- Analysis of Mural Cell Recruitment to Tumor Vessels, 112
- Barium Reduces Resting Blood Flow and Inhibits Potassium-Induced Vasodilation in the Human Forearm, 1323
- Enhanced Activity of Variant Phospholipase C-δ1 Protein (R257H) Detected in Patients With Coronary Artery Spasm, 2024
- Enhanced Contractile Mechanisms in Vasospasm: Is Endothelial Dysfunction the Whole Story?, 1520
- Identification of a Novel Redox-Sensitive Gene, Id3, Which Mediates Angiotensin II-Induced Cell Growth, 2423

- Importance of NAD(P)H Oxidase-Mediated Oxidative Stress and Contractile Type Smooth Muscle Myosin Heavy Chain SM2 at the Early Stage of Atherosclerosis, 2288
- Increased Expression of Macrophage Colony-Stimulating Factor After Coronary Artery Balloon Injury Is Inhibited by Intracoronary Brachytherapy, 2411
- Inhibition of Tissue Factor Gene Induction and Activity Using a Hairpin Ribozyme, 2282
- Monocyte/Macrophage Regulation of Vascular Calcification In Vitro,
- Red Wine Polyphenols Inhibit Vascular Smooth Muscle Cell Migration Through Two Distinct Signaling Pathways, 2404
- Structure, Endothelial Function, Cell Growth, and Inflammation in Blood Vessels of Angiotensin II-Infused Rats: Role of Peroxisome Proliferator-Activated Receptor-γ, 2296
- Tumor Necrosis Factor-α Regulates Insulin-Like Growth Factor-1 and Insulin-Like Growth Factor Binding Protein-3 Expression in Vascular Smooth Muscle, 1220
- Vascular Endothelial Growth Factor Enhances Cardiac Allograft Arteriosclerosis. 2524

Muscles

- Induction of Atherosclerotic Plaque Rupture in Apolipoprotein E⁻¹⁻ Mice After Adenovirus-Mediated Transfer of p53, 2064
 - Imaging of Oxygen Transfer Among Microvessels of Rat Cremaster Muscle, 1713

Myocardial contraction

- Dynamic Changes in Three-Dimensional Architecture and Vascular Volume of Transmural Coronary Microvasculature Between Diastolic- and Systolic-Arrested Rat Hearts, 621
- Evolution of the Study of Left Ventricular Function: Everything Old Is New Again, 2701
- Myocardial Hibernation: Restorative or Preterminal Sleep?, 1517

Myocardial infarction

- Angiotensin-(1-7) Attenuates the Development of Heart Failure After Myocardial Infarction in Rats, 1548
- Aspirin-Resistant Thromboxane Biosynthesis and the Risk of Myocardial Infarction, Stroke, or Cardiovascular Death in Patients at High Risk for Cardiovascular Events, 1650
- Augmented Expression of Neuronal Nitric Oxide Synthase in the Atria Parasympathetically Decreases Heart Rate During Acute Myocardial Infarction in Rats, 490
- Beneficial Effects of Long-Term Use of the Antioxidant Probucol in Heart Failure in the Rat, 2549
- Benefits and Safety of Tirofiban Among Acute Coronary Syndrome Patients With Mild to Moderate Renal Insufficiency: Results From the Platelet Receptor Inhibition in Ischemic Syndrome Management in Patients Limited by Unstable Signs and Symptoms (PRISM-PLUS) Trial, 2361
- Cost-Effectiveness of a Conservative, Ischemia-Guided Management Strategy After Non-Q-Wave Myocardial Infarction: Results of a Randomized Trial, 680
- Department of Veterans Affairs Cooperative Studies Program Clinical Trial Comparing Combined Warfarin and Aspirin With Aspirin Alone in Survivors of Acute Myocardial Infarction: Primary Results of the CHAMP Study, 557
- Determination of Successful Reperfusion After Thrombolysis for Acute Myocardial Infarction: A Noninvasive Method Using Ultrasonic Tissue Characterization That Can Be Applied Clinically, 157
- Early Resolution of ST-Segment Elevation Correlates With Myocardial Salvage Assessed by Tc-99m Sestamibi Scintigraphy in Patients With Acute Myocardial Infarction After Mechanical or Thrombolytic Reperfusion Therapy, 2946
- Effects of Cariporide and Losartan on Hypertrophy, Calcium Transients, Contractility, and Gene Expression in Congestive Heart Failure. 1380
- Effects of Cholesterol and Inflammation-Sensitive Plasma Proteins on Incidence of Myocardial Infarction and Stroke in Men, 2632
- Enoxaparin as Adjunctive Antithrombin Therapy for ST-Elevation Myocardial Infarction: Results of the ENTIRE-Thrombolysis in Myocardial Infarction (TIMI) 23 Trial, 1642
- Executive Summary: Conference Proceeding for Healthcare Professionals From a Special Writing Group of the American Heart Association, 2231

- Five-Year Risk of Cardiac Mortality in Relation to Initial Severity and One-Year Changes in Depression Symptoms After Myocardial Infarction, 1049
- Fluvastatin, a 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Inhibitor, Attenuates Left Ventricular Remodeling and Failure After Experimental Myocardial Infarction, 868
- Heterogeneity in the Management and Outcomes of Patients With Acute Myocardial Infarction Complicated by Heart Failure: The National Registry of Myocardial Infarction, 2605
- Increased Platelet Binding to Circulating Monocytes in Acute Coronary Syndromes, 2166
- Influenza Vaccine Pilot Study in Acute Coronary Syndromes and Planned Percutaneous Coronary Interventions: The FLU Vaccination Acute Coronary Syndromes (FLUVACS) Study, 2143
- Isthmus Characteristics of Reentrant Ventricular Tachycardia After Myocardial Infarction, 726
- Left Ventricular Volume Reduction by Radiofrequency Heating of Chronic Myocardial Infarction in Patients With Congestive Heart Failure, 1317
- Management of the Patient Who Has Been Resuscitated From Sudden Cardiac Death, 2704
- Minor Myocardial Damage and Prognosis: Are Spontaneous and Percutaneous Coronary Intervention-Related Events Different?, 554
- Multimarker Approach to Risk Stratification in Non-ST Elevation Acute Coronary Syndromes: Simultaneous Assessment of Troponin I. C-Reactive Protein. and B-Type Natriuretic Peptide, 1760
- Myocardial Infarct: No One Size Fits All, 2577 No-Reflow Phenomenon, 656
- No-Reflow Phenomenon and Lesion Morphology in Patients With Acute Myocardial Infarction, 2148
- Oral Anticoagulation for Acute Coronary Syndromes, 1270
- Plasma Homocysteine and Parental Myocardial Infarction in Young Adults in Jerusalem, 2725
- Plasma Homocysteine Concentration, Statin Therapy, and the Risk of First Acute Coronary Events, 1776
- Platelet-Monocyte Aggregates: Bridging Thrombosis and Inflammation, 2130
- Polymorphism in the 5'-Franking Region of Human Glutamate-Cysteine Ligase Modifier Subunit Gene Is Associated With Myocardial Infarction, 2968
- Proinsulin Is an Independent Predictor of Coronary Heart Disease; Report From a 27-Year Follow-Up Study, 2153
- Proteolysis of Tissue Factor Pathway Inhibitor-1 by Thrombolysis in Acute Myocardial Infarction, 279 Randomized, Placebo-Controlled Trial of Titrated Intravenous Lami-
- fiban for Acute Coronary Syndromes, 316
- Rebuilding a Damaged Heart: Long-Term Survival of Transplanted Neonatal Rat Cardiomyocytes After Myocardial Infarction and Effect on Cardiac Function, 1720
- Relationship of the TIMI Myocardial Perfusion Grades, Flow Grades, Frame Count, and Percutaneous Coronary Intervention to Long-Term Outcomes After Thrombolytic Administration in Acute Myocardial Infarction, 1909
- Risk and Predictors of Stroke After Myocardial Infarction Among the Elderly: Results From the Cooperative Cardiovascular Project, 1082
- Selective Matrix Metalloproteinase Inhibition Reduces Left Ventricular Remodeling but Does Not Inhibit Angiogenesis After Myocardial Infarction, 753
- Serotonin Transporter Gene Polymorphism and Myocardial Infarction: Etude Cas-Témoins de l'Infarctus du Myocarde (ECTIM), 2943
- Tea Consumption and Mortality After Acute Myocardial Infarction, 2476
- TIMI Myocardial Perfusion Grade and ST Segment Resolution: Association With Infarct Size as Assessed by Single Photon Emission Computed Tomography Imaging, 282

Myocarditis

- Celiac Disease Associated With Autoimmune Myocarditis, 2611
- Local Expression of Interleukin-1 Receptor Antagonist by Plasmid DNA Improves Mortality and Decreases Myocardial Inflammation in Experimental Coxsackieviral Myocarditis, 1278
- Pulmonary Hypertension and Risk of Death in Cardiomyopathy: Patients With Myocarditis Are at Higher Risk, 1663

Myocardium

- Cardiac Membrane Fatty Acid Composition Modulates Myocardial Oxygen Consumption and Postischemic Recovery of Contractile Function, 2303
- Carvedilol Decreases Elevated Oxidative Stress in Human Failing Myocardium, 2867
- Decreased Cardiac Expression of Vascular Endothelial Growth Factor and Its Receptors in Insulin-Resistant and Diabetic States: A Possible Explanation for Impaired Collateral Formation in Cardiac Tissue, 373
- Detection of Myocardial Ischemia in Patients With Diabetes Mellitus,
- Gene Therapy Strategy for Long-Term Myocardial Protection Using Adeno-Associated Virus-Mediated Delivery of Heme Oxygenase Gene, 602
- Losartan-Dependent Regression of Myocardial Fibrosis Is Associated With Reduction of Left Ventricular Chamber Stiffness in Hypertensive Patients, 2512
- Mechanisms of Coronary Microcirculatory Dysfunction in Patients With Aortic Stenosis and Angiographically Normal Coronary Arteries, 470
- Myocardial Fibrosis in Chronic Aortic Regurgitation: Molecular and Cellular Responses to Volume Overload, 1837
- Noninvasive Assessment of Coronary Microcirculatory Function in Postmenopausal Women and Effects of Short-Term and Long-Term Estrogen Administration, 425
- Pivotal Role of a gp91^{nhx}-Containing NADPH Oxidase in Angiotensin II-Induced Cardiac Hypertrophy in Mice, 293
- Standardized Myocardial Segmentation and Nomenclature for Tomographic Imaging of the Heart: A Statement for Healthcare Professionals From the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association, 539
- Strain Rate Imaging for Assessment of Regional Myocardial Function: Results From a Clinical Model of Septal Ablation, 1403
- Use of a Blood Substitute to Determine Instantaneous Murine Right Ventricular Thickening With Optical Coherence Tomography, 1843

Myocytes

- Adenylyl Cyclase Increases Survival in Cardiomyopathy, 1989
- Cardiac Nitric Oxide Synthase 1 Regulates Basal and β-Adrenergic Contractility in Murine Ventricular Myocytes, 3011
- Cytosolic Heat Shock Protein 60, Apoptosis, and Myocardial Injury, 2899
- Diazoxide Opens the Mitochondrial Permeability Transition Pore and Alters Ca²⁺ Transients in Rat Ventricular Myocytes, 2666
- Effects of Cariporide and Losartan on Hypertrophy, Calcium Transients, Contractility, and Gene Expression in Congestive Heart Failure. 1380
- Human Mesenchymal Stem Cells Differentiate to a Cardiomyocyte Phenotype in the Adult Murine Heart, 93
- Involvement of Nuclear Factor-κB and Apoptosis Signal-Regulating Kinase 1 in G-Protein-Coupled Receptor Agonist-Induced Cardiomyocyte Hypertrophy, 509
- Modulation of Anthracycline-Induced Myofibrillar Disarray in Rat Ventricular Myocytes by Neuregulin-1β and Anti-erbB2: Potential Mechanism for Trastuzumab-Induced Cardiotoxicity, 1551
- tal Mechanism for Trastuzuman-Induced Cardiotoxicity, 1551 Peroxisome Proliferator-Activated Receptor y Plays a Critical Role in Inhibition of Cardiac Hypertrophy In Vitro and In Vivo, 1240
- Selective Attenuation of Isoproterenol-Stimulated Arrhythmic Activity by a Partial Agonist of Adenosine A₁ Receptor, 118
- Sensitivity to Apoptosis Signal, Clearance Rate, and Ultrastructure of Fas Ligand-Induced Apoptosis in In Vivo Adult Cardiac Cells, 3039
- Specific β₂AR Blocker ICI 118,551 Actively Decreases Contraction Through a G₁-Coupled Form of the β₂AR in Myocytes From Failing Human Heart, 2497

Mvosi

Myosin Light Chain Mutation Causes Autosomal Recessive Cardiomyopathy With Mid-Cavitary Hypertrophy and Restrictive Physiology, 2337

Myositis

Safety and Tolerability of Pravastatin in Long-Term Clinical Trials: Prospective Pravastatin Pooling (PPP) Project, 2341

N

Na+-K+-exchanging ATPase

Endogenous Ligand of α_1 Sodium Pump, Marinobufagenin, Is a Novel Mediator of Sodium Chloride-Dependent Hypertension, 1122

Nanoparticles

In Vitro and In Vivo Evaluation of Oral Heparin-Loaded Polymeric Nanoparticles in Rabbits, 230

Natriuretic peptides

- Accelerated Reendothelialization With Suppressed Thrombogenic Property and Neointimal Hyperplasia of Rabbit Jugular Vein Grafts by Adenovirus-Mediated Gene Transfer of C-Type Natriuretic Peptide, 1623
- B-Type Natriuretic Peptide Levels: Diagnostic and Prognostic in Congestive Heart Failure: What's Next?, 2328
- B-Type Natriuretic Peptide Predicts Sudden Death in Patients With Chronic Heart Failure, 2392
- Differential Actions of Vasopeptidase Inhibition Versus Angiotensin-Converting Enzyme Inhibition on Diuretic Therapy in Experimental Congestive Heart Failure, 639
- Maximizing the Natriuretic Peptide System in Experimental Heart Failure: Subcutaneous Brain Natriuretic Peptide and Acute Vasopeptidase Inhibition, 999
- Multimarker Approach to Risk Stratification in Non-ST Elevation Acute Coronary Syndromes: Simultaneous Assessment of Troponin I, C-Reactive Protein, and B-Type Natriuretic Peptide, 1760
- Omapatrilat Reduces Pulse Pressure and Proximal Aortic Stiffness in Patients With Systolic Hypertension: Results of the Conduit Hemodynamics of Omapatrilat International Research Study, 2955
- Ultrasonographic and Biochemical Markers of Human Fetal Cardiac Dysfunction in Placental Insufficiency, 2058

Nervous system, autonomic

- Autonomic Tone Variations Before the Onset of Paroxysmal Atrial Fibrillation, 2753
- Baroreflex Buffering and Susceptibility to Vasoactive Drugs, 1459 Cardiac Autonomic Dysfunction in Brugada Syndrome, 702
- Conversion From Vagal to Sympathetic Predominance With Strenuous Training in High-Performance World Class Athletes, 2719
- Plasma Norepinephrine Predicts Survival and Incident Cardiovascular Events in Patients With End-Stage Renal Disease, 1354

Nervous system, sympathetic

- Aging Attenuates the Vestibulosympathetic Reflex in Humans, 956 Effects of Selective Autonomic Blockade on T-Wave Alternans in Humans, 837
- Effects of Sustained-Release Moxonidine, an Imidazoline Agonist, on Plasma Norepinephrine in Patients With Chronic Heart Failure, 1707
- Evidence for Synergy Between α_2 -Adrenergic and Nonadrenergic Mechanisms in Central Blood Pressure Regulation, 1116
- Hypoxia Induces Aortic Hypertrophic Growth, Left Ventricular Dysfunction, and Sympathetic Hyperinnervation of Peripheral Arteries in the Chick Embryo, 2791
- Mechanism of the Blood Pressure-Raising Effect of Cocaine in Humans, 1054
- Norepinephrine Turnover Is Increased in Suprabulbar Subcortical Brain Regions and Is Related to Whole-Body Sympathetic Activity in Human Heart Failure, 1031
- Plasma Norepinephrine Predicts Survival and Incident Cardiovascular Events in Patients With End-Stage Renal Disease, 1354
- The "Unsympathetic" Nervous System of Heart Failure, 1753

Neuregulins

Modulation of Anthracycline-Induced Myofibrillar Disarray in Rat Ventricular Myocytes by Neuregulin-1β and Anti-erbB2: Potential Mechanism for Trastuzumab-Induced Cardiotoxicity, 1551

Nitric oxide

- Abciximab Attenuates Coronary Microvascular Endothelial Dysfunction After Coronary Stenting, 2981
- Angiostatin Inhibits Coronary Angiogenesis During Impaired Production of Nitric Oxide, 2185
- Angiotensin-Converting Enzyme Inhibitors Improve Coronary Flow Reserve in Dilated Cardiomyopathy by a Bradykinin-Mediated, Nitric Oxide-Dependent Mechanism, 2785
- Augmentation of Intrapericardial Nitric Oxide Level by a Prolonged-Release Nitric Oxide Donor Reduces Luminal Narrowing After Porcine Coronary Angioplasty, 2779

- Effect of Hypercholesterolemia on Expression and Function of Vascular Soluble Guanylyl Cyclase, 855
- Functional and Biochemical Analysis of Endothelial (Dys)function and NO/cGMP Signaling in Human Blood Vessels With and Without Nitroglycerin Pretreatment, 1170
- High-Density Lipoprotein Restores Endothelial Function in Hypercholesterolemic Men, 1399
- Homocysteine Induces 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase in Vascular Endothelial Cells: A Mechanism for Development of Atherosclerosis?, 1037
- Increased Nitric Oxide Bioavailability in Endothelial Cells Contributes to the Pleiotropic Effect of Cerivastatin, 933
- Mechanisms of Increased Vascular Superoxide Production in Human Diabetes Mellitus: Role of NAD(P)H Oxidase and Endothelial Nitric Oxide Synthase, 1656
- Mental Stress Induces Prolonged Endothelial Dysfunction via Endothelin-A Receptors, 2817
- Mineralocorticoid Receptor Antagonism Improves Endothelial Function in Experimental Atherosclerosis, 2212
- Nitric Oxide and Angiogenesis, 2133
- Nitric Oxide Mediates the Antiapoptotic Effect of Insulin in Myocardial Ischemia-Reperfusion: The Roles of PI3-Kinase, Akt, and Endothelial Nitric Oxide Synthase Phosphorylation, 1497
- Nitric Oxide Regulates Local Arterial Distensibility In Vivo, 213
- Nongenomic Mechanisms of Endothelial Nitric Oxide Synthase Activation by the Selective Estrogen Receptor Modulator Raloxifene, 1368
- Oral Sildenafil Is an Effective and Specific Pulmonary Vasodilator in Patients With Pulmonary Arterial Hypertension: Comparison With Inhaled Nitric Oxide, 2398
- Overexpression of a Constitutively Active Protein Kinase G Mutant Reduces Neointima Formation and In-Stent Restenosis, 2911
- Protection of Myocytes From Hypoxia-Reoxygenation Injury by Nitric Oxide Is Mediated by Modulation of Transforming Growth Factor-β₁, 2206
- Raloxifene Improves Endothelial Dysfunction in Hypertension by Reduced Oxidative Stress and Enhanced Nitric Oxide Production, 2083
- Smoking a Single Cigarette Rapidly Reduces Combined Concentrations of Nitrate and Nitrite and Concentrations of Antioxidants in Plasma. 1155
- S-Nitroso Human Serum Albumin Treatment Reduces Ischemia/ Reperfusion Injury in Skeletal Muscle via Nitric Oxide Release, 3032
- Switching off Embolization From Symptomatic Carotid Plaque Using S-Nitrosoglutathione, 1480

Nitric oxide synthase

- Augmented Expression of Neuronal Nitric Oxide Synthase in the Atria Parasympathetically Decreases Heart Rate During Acute Myocardial Infarction in Rats, 490
- Cardiac Nitric Oxide Synthase 1 Regulates Basal and β-Adrenergic Contractility in Murine Ventricular Myocytes, 3011
- Increased Nitric Oxide Bioavailability in Endothelial Cells Contributes to the Pleiotropic Effect of Cerivastatin, 933
- Myocardial Hibernation: Restorative or Preterminal Sleep?, 1517
- Nongenomic Mechanisms of Endothelial Nitric Oxide Synthase Activation by the Selective Estrogen Receptor Modulator Raloxifene, 1368
- Paradoxical Reduction of Fatty Streak Formation in Mice Lacking Endothelial Nitric Oxide Synthase, 2078
- Role of Myocardial Inducible Nitric Oxide Synthase in Contractile Dysfunction and β-Adrenergic Hyporesponsiveness in Rats With Experimental Volume-Overload Heart Failure, 236
- Vascular Gene Transfer of Phosphomimetic Endothelial Nitric Oxide Synthase (S1177D) Using Ultrasound-Enhanced Destruction of Plasmid-Loaded Microbubbles Improves Vasoreactivity, 1104

Nitroglycerin

Functional and Biochemical Analysis of Endothelial (Dys)function and NO/cGMP Signaling in Human Blood Vessels With and Without Nitroglycerin Pretreatment, 1170

Norepinephrine

- Cardiac Autonomic Dysfunction in Brugada Syndrome, 702
- Cardiovascular Influences of α_{1b} -Adrenergic Receptor Defect in Mice, 1700

- Effects of Sustained-Release Moxonidine, an Imidazoline Agonist, on Plasma Norepinephrine in Patients With Chronic Heart Failure, 1797
- Mechanism of the Blood Pressure-Raising Effect of Cocaine in Humans, 1054
- Norepinephrine Turnover Is Increased in Suprabulbar Subcortical Brain Regions and Is Related to Whole-Body Sympathetic Activity in Human Heart Failure, 1031
- Plasma Norepinephrine Predicts Survival and Incident Cardiovascular Events in Patients With End-Stage Renal Disease, 1354
- The "Unsympathetic" Nervous System of Heart Failure, 1753
- Nuclear factor-kB
- Activation of Nuclear Factor-kB Significantly Contributes to Lumen Loss in a Rabbit Iliac Artery Balloon Angioplasty Model, 633
- Expression of Toll-Like Receptors in Human Atherosclerotic Lesions: A Possible Pathway for Plaque Activation, 1158
- Nuclear medicine
 - Imaging Atherosclerotic Plaque Inflammation With [18F]-Fluorodeoxyglucose Positron Emission Tomography, 2708
- Nutrition
 - Fat Substitutes and Health: An Advisory From the Nutrition Committee of the American Heart Association, 2800
 - Tea Consumption and Mortality After Acute Myocardial Infarction, 2476

0

- Association Between SAH, an Acyl-CoA Synthetase Gene, and Hypertriglyceridemia, Obesity, and Hypertension, 41
- Fetal, Infant, and Childhood Growth and Adult Blood Pressure: A Longitudinal Study From Birth to 22 Years of Age. 1088
- Obesity Accelerates the Progression of Coronary Atherosclerosis in Young Men. 2712
- Obesity, Metabolic Syndrome, and Coronary Atherosclerosis, 2696 Reduction of Inflammatory Cytokine Concentrations and Improvement of Endothelial Functions in Obese Women After Weight
- Loss Over One Year, 804 Weight Loss Reduces C-Reactive Protein Levels in Obese Postmenopausal Women, 564
- Omapatrilat
 - Differential Actions of Vasopeptidase Inhibition Versus Angiotensin-Converting Enzyme Inhibition on Diuretic Therapy in Experimental Congestive Heart Failure, 639

Ouabain

Endogenous Ligand of α₁ Sodium Pump, Marinobufagenin, Is a Novel Mediator of Sodium Chloride-Dependent Hypertension. 1122

Outcome research

Home-Based Intervention in Congestive Heart Failure: Long-Term Implications on Readmission and Survival, 2861

Outcomes

Conservative Management of Acute Coronary Syndrome: Cheaper and Better for You?, 666

Oxadiazoles

Role of Cyclic Guanosine Monophosphate in Late Preconditioning in Conscious Rabbits, 3046

Oxidant stress

- Apoptosis Signal-Regulating Kinase/Nuclear Factor-κΒ: A Novel Signaling Pathway Regulates Cardiomyocyte Hypertrophy, 402
- - Adrenomedullin, an Endogenous Peptide, Counteracts Cardiovascular Damage, 106
 - Cardiac Membrane Fatty Acid Composition Modulates Myocardial Oxygen Consumption and Postischemic Recovery of Contractile Function, 2303
 - Identification of a Novel Redox-Sensitive Gene, Id3, Which Mediates
 - Angiotensin II-Induced Cell Growth, 2423 Imaging of Oxygen Transfer Among Microvessels of Rat Cremaster
 - Muscle, 1713 Smoking a Single Cigarette Rapidly Reduces Combined Concentrations of Nitrate and Nitrite and Concentrations of Antioxidants in Plasma, 1155
 - The AT₁-Type Angiotensin Receptor in Oxidative Stress and Atherogenesis: Part I: Oxidative Stress and Atherogenesis, 393

Oxygenase

Adenovirus-Mediated Heme Oxygenase-1 Gene Expression Stimulates Apoptosis in Vascular Smooth Muscle Cells, 79

Pacemakers

- New Bayesian Discriminator for Detection of Atrial Tachyarrhythmias, 1472
- Tissue Doppler Echocardiographic Evidence of Reverse Remodeling and Improved Synchronicity by Simultaneously Delaying Regional Contraction After Biventricular Pacing Therapy in Heart Failure, 438

Pacing

- Effects of Long-Term Biventricular Stimulation for Resynchronization on Echocardiographic Measures of Remodeling, 1304
- Maximizing the Natriuretic Peptide System in Experimental Heart Failure: Subcutaneous Brain Natriuretic Peptide and Acute Vasopeptidase Inhibition, 999
- Tissue Doppler Echocardiographic Evidence of Reverse Remodeling and Improved Synchronicity by Simultaneously Delaying Regional Contraction After Biventricular Pacing Therapy in Heart Failure, 438
- Validation of Myocardial Acceleration During Isovolumic Contraction as a Novel Noninvasive Index of Right Ventricular Contractility: Comparison With Ventricular Pressure-Volume Relations in an Animal Model, 1693

Paralysis

Novel KCNJ2 Mutation in Familial Periodic Paralysis With Ventricular Dysrhythmia, 2592

Particles

Passage of Inhaled Particles Into the Blood Circulation in Humans. 411

Pathological neovascularization

Simvastatin Preserves the Structure of Coronary Adventitial Vasa Vasorum in Experimental Hypercholesterolemia Independent of Lipid Lowering, 415

- Altered Expression of ADAMs (A Disintegrin And Metalloproteinase) in Fibrillating Human Atria, 720
- Expression of Macrophage Migration Inhibitory Factor in Different Stages of Human Atherosclerosis, 1561
- Maternal Hypercholesterolemia During Pregnancy Promotes Early Atherogenesis in LDL Receptor-Deficient Mice and Alters Aortic Gene Expression Determined by Microarray, 1360
- Morphological Predictors of Restenosis After Coronary Stenting in Humans, 2974

Patients

Ventricular Afterload and Ventricular Work in Fontan Circulation: Comparison With Normal Two-Ventricle Circulation and Single-Ventricle Circulation With Blalock-Taussig Shunts, 2885

Pediatrics

- Fenestration Improves Clinical Outcome of the Fontan Procedure: A Prospective, Randomized Study, 207
- Fetal, Infant, and Childhood Growth and Adult Blood Pressure: A Longitudinal Study From Birth to 22 Years of Age, 1088
- Sequential Follow-Up Results of Catheter Intervention for Coronary Artery Lesions After Kawasaki Disease: Quantitative Coronary Artery Angiography and Intravascular: Ultrasound Imaging Study, 3004
- Stenting of the Arterial Duct and Banding of the Pulmonary Arteries: Basis for Combined Norwood Stage I and II Repair in Hypoplastic Left Heart, 1099
- Trunk Fat and Blood Pressure in Children Through Puberty, 1093 Unique Features of Infective Endocarditis in Childhood, 2115

- Adrenomedullin, an Endogenous Peptide. Counteracts Cardiovascular Damage, 106
- In Vitro Susceptibility to Thrombin-Induced Platelet Microbicidal Protein Is Associated With Reduced Disease Progression and Complication Rates in Experimental Staphylococcus aureus Endocarditis: Microbiological, Histopathologic, and Echocardiographic Analyses, 746

- Losartan-Dependent Regression of Myocardial Fibrosis Is Associated With Reduction of Left Ventricular Chamber Stiffness in Hypertensive Patients, 2512
- Utility of B-Natriuretic Peptide in Detecting Diastolic Dysfunction: Comparison With Doppler Velocity Recordings, 595

Perfusion

- Perfusion Versus Function: The Ischemic Cascade in Demand Ischemia: Implications of Single-Vessel Versus Multivessel Stenosis, 987
- Relationship of the TIMI Myocardial Perfusion Grades, Flow Grades, Frame Count, and Percutaneous Coronary Intervention to Long-Term Outcomes After Thrombolytic Administration in Acute Myocardial Infarction, 1909
- Standardized Myocardial Segmentation and Nomenclature for Tomographic Imaging of the Heart: A Statement for Healthcare Professionals From the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association, 539
- Validation of Collateral Fractional Flow Reserve by Myocardial Perfusion Imaging, 1060

Augmentation of Intrapericardial Nitric Oxide Level by a Prolonged-Release Nitric Oxide Donor Reduces Luminal Narrowing After Porcine Coronary Angioplasty, 2779

Pericytes

Analysis of Mural Cell-Recruitment to Tumor Vessels, 112

Peripheral vascular disease

- Impact of Infectious Burden on Extent and Long-Term Prognosis of Atherosclerosis, 15
- Risk of Myocardial Infarction and Angina in Patients With Severe Peripheral Vascular Disease: Predictive Role of C-Reactive Protein, 800

Pharmacokinetics

- First Experience With Direct Factor Xa Inhibition in Patients With Stable Coronary Disease: A Pharmacokinetic and Pharmacodynamic Evaluation, 2385
- Optical Imaging of Cardiac Reporter Gene Expression in Living Rats. 1631

Pharmacology

- Bueindolol Displays Intrinsic Sympathomimetic Activity in Human Myocardium, 2429
- Evidence for Synergy Between a2-Adrenergic and Nonadrenergic Mechanisms in Central Blood Pressure Regulation, 1116
- New Therapeutic Options in Congestive Heart Failure: Part II, 2223 Pharmacological Rescue of Human K+ Channel Long-QT2 Mutations: Human Ether-a-Go-Go-Related Gene Rescue Without Block, 2830
- Statin Prevents Tissue Factor Expression in Human Endothelial Cells: Role of Rho/Rho-Kinase and Akt Pathways, 1756

Physiology

- Aging Attenuates the Vestibulosympathetic Reflex in Humans, 956 Atorvastatin Inhibits Hypercholesterolemia-Induced Cellular Proliferation and Bone Matrix Production in the Rabbit Aortic Valve, 2660
- Fundamentals of Endothelial Function for the Clinical Cardiologist, 546
- Ultrasonographic and Biochemical Markers of Human Fetal Cardiac Dysfunction in Placental Insufficiency, 2058

Plaque

- Activated Monocytes Induce Smooth Muscle Cell Death: Role of Macrophage Colony-Stimulating Factor and Cell Contact, 174
- Carotid Plaques Increase the Risk of Stroke and Subtypes of Cerebral Infarction in Asymptomatic Elderly: The Rotterdam Study, 2872
- Detection of Lipid Pool, Thin Fibrous Cap, and Inflammatory Cells in Human Aortic Atherosclerotic Plaques by Near-Infrared Spectroscopy, 923
- Expression of Toll-Like Receptors in Human Atherosclerotic Lesions: A Possible Pathway for Plaque Activation, 1158
- Vivo Quantitative Tissue Characterization of Human Coronary Arterial Plaques by Use of Integrated Backscatter Intravascular Ultrasound and Comparison With Angioscopic Findings, 2487
- In Vivo Temperature Heterogeneity of Atherosclerotic Plaques Is Determined by Plaque Composition, 1596
- Increased Prevalence of Carotid Atherosclerosis in Hepatitis B Virus Carriers, 1028

- Intimomedial Interface Damage and Adventitial Inflammation Is Increased Beneath Disrupted Atherosclerosis in the Aorta: Implications for Plaque Vulnerability, 2504
- Mouse Model for Atherosclerotic Plaque Rupture, 2010
- No-Reflow Phenomenon and Lesion Morphology in Patients With Acute Myocardial Infarction, 2148
- Relationship Between Coronary Artery Remodeling and Plaque Vulnerability, 939
- Serum Elastase Activity, Serum Elastase Inhibitors, and Occurrence of Carotid Atherosclerotic Plaques: The Etude sur le Vieillissement Artériel (EVA) Study, 2638
- T-Cell-Mediated Lysis of Endothelial Cells in Acute Coronary Syndromes, 570

Plaque rupture

Vulnerable Atherosclerotic Plaque Morphology in Apolipoprotein E-Deficient Mice Unable to Make Ascorbic Acid. 1485

Plaque stability

Vitamin C, Collagen, and Cracks in the Plaque, 1396

Plaque stabilization

A New Paradigm for Plaque Stabilization, 2000

Folic Acid Improves Endothelial Function in Coronary Artery Disease via Mechanisms Largely Independent of Homocysteine Lowering. 22

Plasmin

Reduced Tissue Factor Pathway Inhibitor-1 After Pharmacological Thrombolysis: An Epiphenomenon or Potential Culprit in Rethrombosis?, 270

Plasminogen

Enhanced Expression of the LDL Receptor Family Member LR11 Increases Migration of Smooth Muscle Cells In Vitro, 1830

Plasminogen activators

- Comparative Effects of Estrogen and Angiotensin-Converting Enzyme Inhibition on Plasminogen Activator Inhibitor-1 in Healthy Postmenopausal Women, 304
- Markers of Increased Risk of Intracerebral Hemorrhage After Intravenous Recombinant Tissue Plasminogen Activator Therapy for Acute Ischemic Stroke in Clinical Practice: The Multicenter rt-PA Acute Stroke Survey, 1679

Platelet-derived factors

Cardiopulmonary Bypass Induces Release of Soluble CD40 Ligand,

- Benefits and Safety of Tirofiban Among Acute Coronary Syndrome Patients With Mild to Moderate Renal Insufficiency: Results From the Platelet Receptor Inhibition in Ischemic Syndrome Management in Patients Limited by Unstable Signs and Symptoms (PRISM-PLUS) Trial, 2361
- Cardiopulmonary Bypass Induces Release of Soluble CD40 Ligand. 2849
- Comparative Antithrombotic Effects of Magnesium Sulfate and the Platelet Glycoprotein IIb/IIIa Inhibitors Tirofiban and Eptifibatide in a Canine Model of Stent Thrombosis, 1970
- Functional Significance of Adenosine 5'-Diphosphate Receptor (P2Y₁₂) in Platelet Activation Initiated by Binding of von Willebrand Factor to Platelet GP Iba Induced by Conditions of High Shear Rate, 2531
- Impact of Clinical Syndrome Acuity on the Differential Response to 2 Glycoprotein IIb/IIIa Inhibitors in Patients Undergoing Coronary Stenting: The TARGET Trial, 2347
- Impact of Different Platelet Glycoprotein IIb/IIIa Receptor Inhibitors Among Diabetic Patients Undergoing Percutaneous Coronary Intervention: Do Tirofiban and ReoPro Give Similar Efficacy Outcomes Trial (TARGET) 1-Year Follow-Up, 2730
- In Vitro Susceptibility to Thrombin-Induced Platelet Microbicidal Protein Is Associated With Reduced Disease Progression and Complication Rates in Experimental Staphylococcus aureus Endocarditis: Microbiological, Histopathologic, and Echocardiographic Analyses, 746
- Increased Platelet Binding to Circulating Monocytes in Acute Coronary Syndromes, 2166
- Outcomes of Patients With Acute Coronary Syndromes and Prior Coronary Artery Bypass Grafting: Results From the Platelet Glycoprotein IIb/IIIa in Unstable Angina: Receptor Suppression Using Integrilin Therapy (PURSUIT) Trial, 322

Patients With Glanzmann Thrombasthenia Lacking Platelet Glycoprotein $\alpha_{\rm Ib}\beta_3$ (GPIIb/IIIa) and $\alpha_{\rm v}\beta_3$ Receptors Are Not Protected From Atherosclerosis, 1044

Platelets Activated by Collagen Through Immunoreceptor Tyrosine-Based Activation Motif Play Pivotal Role in Initiation and Generation of Neointimal Hyperplasia After Vascular Injury, 912

Randomized, Placebo-Controlled Trial of Titrated Intravenous Lamifiban for Acute Coronary Syndromes, 316

Switching off Embolization From Symptomatic Carotid Plaque Using S-Nitrosoglutathione, 1480

Polymerase chain reaction

Stromelysin-1 (Matrix Metalloproteinase-3) and Tissue Inhibitor of Metalloproteinase-3 Are Overexpressed in the Wall of Abdominal Aortic Aneurysms, 477

Porphyromonas gingivalis

Porphyromonas gingivalis Infection Accelerates the Progression of Atherosclerosis in a Heterozygous Apolipoprotein E-Deficient Murine Model, 861

Potassium

Atrio-Sinus Interaction Demonstrated by Blockade of the Rapid Delayed Rectifier Current, 880

Barium Reduces Resting Blood Flow and Inhibits Potassium-Induced Vasodilation in the Human Forearm, 1323

Pravastatin

Safety and Tolerability of Pravastatin in Long-Term Clinical Trials: Prospective Pravastatin Pooling (PPP) Project, 2341

Pregnancy

Adverse Neonatal and Cardiac Outcomes Are More Common in Pregnant Women With Cardiac Disease, 2179

Pressure

Peroxisome Proliferator-Activated Receptor γ Plays a Critical Role in Inhibition of Cardiac Hypertrophy In Vitro and In Vivo, 1240

Validation of Collateral Fractional Flow Reserve by Myocardial Perfusion Imaging, 1060

Prevention

Eligibility for Lipid-Lowering Drug Therapy in Primary Prevention: How Do the Adult Treatment Panel II and Adult Treatment Panel III Guidelines Compare?, 136

Fetal, Infant, and Childhood Growth and Adult Blood Pressure: A Longitudinal Study From Birth to 22 Years of Age, 1088

New National Cholesterol Education Program III Guidelines for Primary Prevention Lipid-Lowering Drug Therapy: Projected Impact on the Size, Sex, and Age Distribution of the Treatment-Eligible Population, 152

New Tools for Coronary Risk Assessment: What Are Their Advantages and Limitations?, 886

Percutaneous Left Atrial Appendage Occlusion (PLAATO) for Preventing Cardioembolism: First Experience in Canine Model, 2217

Plasma Homocysteine Concentration, Statin Therapy, and the Risk of First Acute Coronary Events, 1776

Prevention of Coronary Heart Disease by Diet and Lifestyle: Evidence From Prospective Cross-Cultural, Cohort, and Intervention Studies, 893

Secondary Prevention of Coronary Heart Disease in the Elderly (With Emphasis on Patients ≥75 Years of Age): An American Heart Association Scientific Statement From the Council on Clinical Cardiology Subcommittee on Exercise, Cardiac Rehabilitation, and Prevention, 1735

Simple Scoring Scheme for Calculating the Risk of Acute Coronary Events Based on the 10-Year Follow-Up of the Prospective Cardiovascular Münster (PROCAM) Study, 310

Probucol

Beneficial Effects of Long-Term Use of the Antioxidant Probucol in Heart Failure in the Rat, 2549

Prognosis

Adverse Neonatal and Cardiac Outcomes Are More Common in Pregnant Women With Cardiac Disease, 2179

B-Type Natriuretic Peptide Predicts Sudden Death in Patients With Chronic Heart Failure, 2392

Five-Year Risk of Cardiac Mortality in Relation to Initial Severity and One-Year Changes in Depression Symptoms After Myocardial Infarction, 1049 Heterogeneity in the Management and Outcomes of Patients With Acute Myocardial Infarction Complicated by Heart Failure: The National Registry of Myocardial Infarction, 2605

Minor Myocardial Damage and Prognosis: Are Spontaneous and Percutaneous Coronary Intervention-Related Events Different?, 554.

Multimarker Approach to Risk Stratification in Non-ST Elevation Acute Coronary Syndromes: Simultaneous Assessment of Troponin I, C-Reactive Protein, and B-Type Natriuretic Peptide, 1760

Principal Component Analysis of the T Wave and Prediction of Cardiovascular Mortality in American Indians: The Strong Heart Study, 714

Prognostic Role of Myocardial Blood Flow Impairment in Idiopathic Left Ventricular Dysfunction, 186

Risk of Myocardial Infarction and Angina in Patients With Severe Peripheral Vascular Disease: Predictive Role of C-Reactive Protein, 800

Withdrawal of Statins Increases Event Rates in Patients With Acute Coronary Syndromes, 1446

Proliferation

Increased Expression of Macrophage Colony-Stimulating Factor After Coronary Artery Balloon Injury Is Inhibited by Intracoronary Brachytherapy, 2411

Prostaglandins

Cyclooxygenase-1 and Bicistronic Cyclooxygenase-1/Prostacyclin Synthase Gene Transfer Protect Against Ischemic Cerebral Infarction, 1962

Obligatory Role of Cyclic Adenosine Monophosphate Response Element in Cyclooxygenase-2 Promoter Induction and Feedback Regulation by Inflammatory Mediators, 2760

Prosthesis

Long-Term Survival of Dialysis Patients in the United States With Prosthetic Heart Valves: Should ACC/AHA Practice Guidelines on Valve Selection Be Modified?, 1336

Protein, C-reactive

Elevated C-Reactive Protein Values and Atherosclerosis in Sudden Coronary Death: Association With Different Pathologies, 2019

Endothelin Antagonism and Interleukin-6 Inhibition Attenuate the Proatherogenic Effects of C-Reactive Protein, 1890

Sudden Death Predictors: An Inflammatory Association, 2574

Proteins

Administration of a Decoy Against the Activator Protein-1 Binding Site Suppresses Neointimal Thickening in Rabbit Balloon-Injured Arteries, 1226

Angiotensin II Induces Tumor Necrosis Factor Biosynthesis in the Adult Mammalian Heart Through a Protein Kinase C-Dependent Pathway, 2198

Essential Role of Monocyte Chemoattractant Protein-1 in Development of Restenotic Changes (Neointimal Hyperplasia and Constrictive Remodeling) After Balloon Angioplasty in Hypercholesterolemic Rabbits, 2905

Identification of a Novel Redox-Sensitive Gene, Id3, Which Mediates Angiotensin II-Induced Cell Growth, 2423

Inflammation and Atherosclerosis, 1135

Pharmacological Rescue of Human K* Channel Long-QT2 Mutations: Human Ether-a-Go-Go-Related Gene Rescue Without Block, 2830

Protection of Myocytes From Hypoxia-Reoxygenation Injury by Nitric Oxide Is Mediated by Modulation of Transforming Growth Factor-β₁, 2206

Ubiquitin, Proteasome, and Restenosis: A Brave New World for Cardiovascular Research, 408

Puberty

Trunk Fat and Blood Pressure in Children Through Puberty, 1093

Pulmonary heart disease

Selective Upregulation of Endothelin B Receptor Gene Expression in Severe Pulmonary Hypertension, 1034

Pulmonary veins

Left Atrial Appendage Activity Masquerading as Pulmonary Vein Potentials, 2821

Pulmonary Vein Isolation for Paroxysmal and Persistent Atrial Fibrillation, 1077

Q

Quality of life

Quality of Life in the Antiarrhythmics Versus Implantable Defibrillators Trial: Impact of Therapy and Influence of Adverse Symptoms and Defibrillator Shocks, 589

R

Rabbits

Social Environment Influences the Progression of Atherosclerosis in the Watanabe Heritable Hyperlipidemic Rabbit, 354

Radiography

Catheter-Based Endomyocardial Injection With Real-Time Magnetic Resonance Imaging, 1282

Radioisotopes

Angiographical Follow-Up After Radioactive "Cold Ends" Stent Implantation: A Multicenter Trial, 550

Five-Year Clinical Follow-Up After Intracoronary Radiation: Results of a Randomized Clinical Trial, 2737

High-Dose Intravascular β -Radiation After De Novo Stent Implantation Induces Coronary Artery Spasm, 1420

Increased Expression of Macrophage Colony-Stimulating Factor After Coronary Artery Balloon Injury Is Inhibited by Intracoronary Brachytherapy, 2411

Late Vascular Response to Repeat Stenting for In-Stent Restenosis With and Without Radiation: An Intravascular Ultrasound Volumetric Analysis, 2465

Value of Stress Myocardial Perfusion Single Photon Emission Computed Tomography in Patients With Normal Resting Electrocardiograms: An Evaluation of Incremental Prognostic Value and Cost-Effectiveness, 823

Ras

Functional Inhibition of Ras by S-trans,trans-Farnesyl Thiosalicylic Acid Attenuates Atherosclerosis in Apolipoprotein E Knockout Mice, 2416

Reactive hyperemia

Mental Stress Induces Prolonged Endothelial Dysfunction via Endothelin-A Receptors, 2817

Reactive oxygen species

Raloxifene Improves Endothelial Dysfunction in Hypertension by Reduced Oxidative Stress and Enhanced Nitric Oxide Production, 2083

Receptors

Advanced Glycation End Products Activate Endothelium Through Signal-Transduction Receptor RAGE: A Mechanism for Amplification of Inflammatory Responses, 816

Bucindolol Displays Intrinsic Sympathomimetic Activity in Human Myocardium, 2429

Common Estrogen Receptor Polymorphism Augments Effects of Hormone Replacement Therapy on E-Selectin but Not C-Reactive Protein, 1879

Enhanced Expression of the LDL Receptor Family Member LR11 Increases Migration of Smooth Muscle Cells In Vitro, 1830

Expression of Toll-Like Receptors in Human Atherosclerotic Lesions: A Possible Pathway for Plaque Activation, 1158

Functional Significance of Adenosine 5'-Diphosphate Receptor (P2Υ₁₂) in Platelet Activation Initiated by Binding of von Willebrand Factor to Platelet GP Ιbα Induced by Conditions of High Shear Rate, 2531

Nongenomic Mechanisms of Endothelial Nitric Oxide Synthase Activation by the Selective Estrogen Receptor Modulator Raloxifene, 1368

Primary Pulmonary Hypertension Is Associated With Reduced Pulmonary Vascular Expression of Type II Bone Morphogenetic Protein Receptor, 1672

Selective Upregulation of Endothelin B Receptor Gene Expression in Severe Pulmonary Hypertension, 1034

Steroid Receptor Coactivator-3 Is Required for Inhibition of Neointima Formation by Estrogen, 2653

Systemic Production of Vascular Endothelial Growth Factor and fms-Like Tyrosine Kinase-1 Receptor in Acute Kawasaki Disease, 766

Receptors, adrenergic, alpha

Bone Marrow-Derived Regenerated Cardiomyocytes (CMG Cells) Express Functional Adrenergic and Muscarinic Receptors, 380 Cardiovascular Influences of α_{1b} -Adrenergic Receptor Defect in Mice, 1700

Evidence for Synergy Between α₂-Adrenergic and Nonadrenergic Mechanisms in Central Blood Pressure Regulation, 1116

Receptors, adrenergic, beta

Adenylyl Cyclase Increases Survival in Cardiomyopathy, 1989

Bone Marrow-Derived Regenerated Cardiomyocytes (CMG Cells) Express Functional Adrenergic and Muscarinic Receptors, 380

Cardiac Nitric Oxide Synthase I Regulates Basal and β-Adrenergic Contractility in Murine Ventricular Myocytes, 3011

Different Effects of Carvedilol, Metoprolol, and Propranolol on Left Ventricular Remodeling After Coronary Stenosis or After Permanent Coronary Occlusion in Rats, 975

Genetic Alterations That Inhibit In Vivo Pressure-Overload Hypertrophy Prevent Cardiac Dysfunction Despite Increased Wall Stress, 85

Specific β₂AR Blocker ICI 118,551 Actively Decreases Contraction Through a G₁-Coupled Form of the β₂AR in Myocytes From Failing Human Heart, 2497

Tolerability of β -Blocker Initiation and Titration in the Metoprolol CR/XL Randomized Intervention Trial in Congestive Heart Failure (MERIT-HF), 1182

Receptors, bradykinin

Targeting Kinin B₁ Receptor for Therapeutic Neovascularization, 360 Reentry

Polymorphic Reentrant Ventricular Tachycardia in the Isolated Rabbit Heart Studied by High-Density Mapping, 3053

Reflex

Aging Attenuates the Vestibulosympathetic Reflex in Humans, 956 Conversion From Vagal to Sympathetic Predominance With Strenuous Training in High-Performance World Class Athletes, 2719

Regional blood flow

Pooling in Chronic Orthostatic Intolerance: Arterial Vasoconstrictive but not Venous Compliance Defects, 2274

Regurgitation

Myocardial Fibrosis in Chronic Aortic Regurgitation: Molecular and Cellular Responses to Volume Overload, 1837

Rejection

Human Leukocyte Antigen-G Expression After Heart Transplantation Is Associated With a Reduced Incidence of Rejection, 1949

Intravenous Pulse Administration of Cyclophosphamide Is an Effective and Safe Treatment for Sensitized Cardiac Allograft Recipients, 1214

Patterns of Myocardial Endothelin-1 Expression and Outcome After Cardiac Transplantation, 1768

Suppression of Murine Cardiac Allograft Arteriopathy by Long-Term Blockade of CD40-CD154 Interactions, 1609

Vascular Endothelial Growth Factor Enhances Cardiac Allograft Arteriosclerosis, 2524

Remodeling

Altered Expression of ADAMs (A Disintegrin And Metalloproteinase) in Fibrillating Human Atria, 720

Beneficial Effects of Long-Term Use of the Antioxidant Probucol in Heart Failure in the Rat, 2549

Cardiovascular Influences of α_{lb} -Adrenergic Receptor Defect in Mice,

Consequences of Atrial Tachycardia-Induced Remodeling Depend on the Preexisting Atrial Substrate, 251

Different Effects of Carvedilol, Metoprolol, and Propranolol on Left Ventricular Remodeling After Coronary Stenosis or After Permanent Coronary Occlusion in Rats, 975

Direct Evidence for Tumor Necrosis Factor-α Signaling in Arteriogenesis, 1639

Dynamic Nature of Atrial Fibrillation Substrate During Development and Reversal of Heart Failure in Dogs, 2672

Effects of Long-Term Biventricular Stimulation for Resynchronization on Echocardiographic Measures of Remodeling, 1304

Electrical Remodeling of the Atrium in an Anatomic Model of Atrial Flutter: Relationship Between Substrate and Triggers for Conversion to Atrial Fibrillation, 258

Essential Role of Monocyte Chemoattractant Protein-1 in Development of Restenotic Changes (Neointimal Hyperplasia and Constrictive Remodeling) After Balloon Angioplasty in Hypercholesterolemic Rabbits, 2905 Expansive Arterial Remodeling Is Associated With Increased Neointimal Macrophage Foam Cell Content: The Murine Model of Macrophage-Rich Carotid Artery Lesions, 2686

Fluvastatin, a 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Inhibitor, Attenuates Left Ventricular Remodeling and Failure After Experimental Myocardial Infarction, 868

Internal Cardioversion of Chronic Atrial Fibrillation During Percutaneous Mitral Commissurotomy: Insight Into Reversal of Chronic Stretch-Induced Atrial Remodeling, 2746

Intimomedial Interface Damage and Adventitial Inflammation Is Increased Beneath Disrupted Atherosclerosis in the Aorta: Implications for Plaque Vulnerability, 2504

Left Ventricular Volume Reduction by Radiofrequency Heating of Chronic Myocardial Infarction in Patients With Congestive Heart Failure, 1317

Load-Dependent and -Independent Regulation of Proinflammatory Cytokine and Cytokine Receptor Gene Expression in the Adult Mammalian Heart, 2192

Morphological Predictors of Arterial Remodeling in Coronary Atherosclerosis, 297

New Insights Into the World of Matrix Metalloproteinases, 405

Progression and Regression of Atherosclerotic Lesions: Monitoring With Serial Noninvasive Magnetic Resonance Imaging, 993

Relationship Between Coronary Artery Remodeling and Plaque Vulnerability, 939

Remodeling of Left Ventricular Hypertrophy in Elite Athletes After Long-Term Deconditioning, 944

Selective Matrix Metalloproteinase Inhibition Reduces Left Ventricular Remodeling but Does Not Inhibit Angiogenesis After Myocardial Infarction, 753

Structure, Endothelial Function, Cell Growth, and Inflammation in Blood Vessels of Angiotensin II-Infused Rats: Role of Peroxisome Proliferator-Activated Receptor-y, 2296

Vascular Endothelial Growth Factor Is Necessary in the Development of Arteriosclerosis by Recruiting/Activating Monocytes in a Rat Model of Long-Term Inhibition of Nitric Oxide Synthesis, 1110 Renal failure

Does Oral Folic Acid Lower Total Homocysteine Levels and Improve Endothelial Function in Children With Chronic Renal Failure?,

Renal function

BG9719 (CVT-124), an A₁ Adenosine Receptor Antagonist, Protects Against the Decline in Renal Function Observed With Diuretic Therapy, 1348

Renal insufficiency

Mild Renal Insufficiency Is Associated With Angiographic Coronary Artery Disease in Women, 2826

Angiotensinogen Genotype Affects Renal and Adrenal Responses to Angiotensin II in Essential Hypertension, 1921

Reperfusion

Determination of Successful Reperfusion After Thrombolysis for Acute Myocardial Infarction: A Noninvasive Method Using Ultrasonic Tissue Characterization That Can Be Applied Clini-

Gene Therapy Strategy for Long-Term Myocardial Protection Using Adeno-Associated Virus-Mediated Delivery of Heme Oxygenase Gene, 602

Intracoronary Thrombectomy With the X-Sizer Catheter System Improves Epicardial Flow and Accelerates ST-Segment Resolution in Patients With Acute Coronary Syndrome: A Prospective, Randomized, Controlled Study, 2355

Loss of Preconditioning by Attenuated Activation of Myocardial ATP-Sensitive Potassium Channels in Elderly Patients Undergoing Coronary Angioplasty, 334

Nitric Oxide Mediates the Antiapoptotic Effect of Insulin in Myocardial Ischemia-Reperfusion: The Roles of PI3-Kinase, Akt, and Endothelial Nitric Oxide Synthase Phosphorylation, 1497

No-Reflow Phenomenon and Lesion Morphology in Patients With Acute Myocardial Infarction, 2148

Postischemic Recovery of Contractile Function is Impaired in SOD2+/- but Not SOD1+/- Mouse Hearts, 981

Role of Cyclic Guanosine Monophosphate in Late Preconditioning in Conscious Rabbits, 3046

S-Nitroso Human Serum Albumin Treatment Reduces Ischemia/ Reperfusion Injury in Skeletal Muscle via Nitric Oxide Release, 3032

Research

Clinical Research Skills Development: A New Approach, 1751

Strengthening Commitment to Clinical Research: The National Heart, Lung, and Blood Institute's Specialized Centers of Research Program, 400

Respiration

Slow Breathing Increases Arterial Baroreflex Sensitivity in Patients With Chronic Heart Failure, 143

Restenosis

Activation of Nuclear Factor-KB Significantly Contributes to Lumen Loss in a Rabbit Iliac Artery Balloon Angioplasty Model, 633

Administration of a Decoy Against the Activator Protein-1 Binding Site Suppresses Neointimal Thickening in Rabbit Balloon-Injured Arteries, 1226

Angiographical Follow-Up After Radioactive "Cold Ends" Stent Implantation: A Multicenter Trial, 550

Augmentation of Intrapericardial Nitric Oxide Level by a Prolonged-Release Nitric Oxide Donor Reduces Luminal Narrowing After Porcine Coronary Angioplasty, 2779

Coronary Pressure Measurement After Stenting Predicts Adverse Events at Follow-Up: A Multicenter Registry, 2950

Dosimetric Measurements in Isolated Human Coronary Arteries: Comparison of Commercially Available Iridium 192 With Strontium/Yttrium90 Emitters, 2493

Essential Role of Monocyte Chemoattractant Protein-1 in Development of Restenotic Changes (Neointimal Hyperplasia and Constrictive Remodeling) After Balloon Angioplasty in Hypercholesterolemic Rabbits, 2905

First Clinical Experience With a Paclitaxel Derivate-Eluting Polymer Stent System Implantation for In-Stent Restenosis: Immediate and Long-Term Clinical and Angiographic Outcome, 1883

Five-Year Clinical Follow-Up After Intracoronary Radiation: Results of a Randomized Clinical Trial, 2737

High-Dose Intravascular B-Radiation After De Novo Stent Implantation Induces Coronary Artery Spasm, 1420

Increased Expression of Macrophage Colony-Stimulating Factor After Coronary Artery Balloon Injury Is Inhibited by Intracoronary Brachytherapy, 2411

Inhibition of Tissue Factor Gene Induction and Activity Using a Hairpin Ribozyme, 2282

Intracoronary Brachytherapy: Past, Present, and Future, 2699

Late Vascular Response to Repeat Stenting for In-Stent Restenosis With and Without Radiation: An Intravascular Ultrasound Volumetric Analysis, 2465

Local Delivery of Plasmid DNA Into Rat Carotid Artery Using Ultrasound, 1233

Long-Term Clinical and Angiographic Follow-Up After Coronary Stent Placement in Native Coronary Arteries, 2986

Morphological Predictors of Restenosis After Coronary Stenting in Humans, 2974

Overexpression of a Constitutively Active Protein Kinase G Mutant Reduces Neointima Formation and In-Stent Restenosis, 2911

Platelets Activated by Collagen Through Immunoreceptor Tyrosine Based Activation Motif Play Pivotal Role in Initiation and Generation of Neointimal Hyperplasia After Vascular Injury, 912

Rotational Atherectomy Does Not Reduce Recurrent In-Stent Restenosis: Results of the Angioplasty Versus Rotational Atherectomy for Treatment of Diffuse In-Stent Restenosis Trial (ARTIST), 583

Sonodynamic Therapy Decreased Neointimal Hyperplasia After Stenting in the Rabbit Iliac Artery, 149

Systemic Inflammation Induced by Lipopolysaccharide Increases Neointimal Formation After Balloon and Stent Injury in Rabbits, 2917

Ubiquitin. Proteasome, and Restenosis: A Brave New World for Cardiovascular Research, 408

Ubiquitin-Proteasome Pathway as a New Target for the Prevention of Restenosis, 483

What Is "The Matter" With Restenosis in 2002?, 2932

Resuscitation

Automated External Defibrillators in Health/Fitness Facilities: Supplement to the AHA/ACSM Recommendations for Cardiovascular Screening, Staffing, and Emergency Policies at Health/Fitness Facilities, 1147

Revascularization

- Bypass Surgery Versus Stenting for the Treatment of Multivessel Disease in Patients With Unstable Angina Compared With Stable Angina, 2367
- Inflammation and Long-Term Mortality After Non-ST Elevation
 Acute Coronary Syndrome Treated With a Very Early Invasive
 Strategy in 1042 Consecutive Patients, 1412
- Pharmacological Treatment of Coronary Artery Disease With Recombinant Fibroblast Growth Factor-2: Double-Blind, Randomized, Controlled Clinical Trial, 788
- Reversal of Angiogenic Growth Factor Upregulation by Revascularization of Lower Limb Ischemia, 67
- Survival After Coronary Revascularization in the Elderly, 2378

Rhabdomyolysis

Safety and Tolerability of Pravastatin in Long-Term Clinical Trials: Prospective Pravastatin Pooling (PPP) Project, 2341

Risk factors

- Analysis of T-Wave Morphology From the 12-Lead Electrocardiogram for Prediction of Long-Term Prognosis in Male US Veterans. 1066
- Antecedent Blood Pressure and Risk of Cardiovascular Disease: The Framingham Heart Study, 48
- B-Type Natriuretic Peptide Levels: Diagnostic and Prognostic in Congestive Heart Failure: What's Next?, 2328
- Carotid Plaques Increase the Risk of Stroke and Subtypes of Cerebral Infarction in Asymptomatic Elderly: The Rotterdam Study, 2872
- Elevated C-Reactive Protein in Patients With Obstructive Sleep Apnea, 2462
- Fenestration Improves Clinical Outcome of the Fontan Procedure: A Prospective, Randomized Study, 207
- Folic Acid Improves Endothelial Function in Coronary Artery Disease via Mechanisms Largely Independent of Homocysteine Lowering, 22
- Impact of Diabetes on the Risk Stratification Using Stress Single-Photon Emission Computed Tomography Myocardial Perfusion Imaging in Patients With Symptoms Suggestive of Coronary Artery Disease, 32
- New Tools for Coronary Risk Assessment: What Are Their Advantages and Limitations?, 886
- Obesity Accelerates the Progression of Coronary Atherosclerosis in Young Men. 2712
- Obesity, Metabolic Syndrome, and Coronary Atherosclerosis, 2696 Paradoxical Pressor Effects of β-Blockers in Standing Elderly Patients With Mild Hypertension: A Beneficial Side Effect, 1669
- Plasma Norepinephrine Predicts Survival and Incident Cardiovascular Events in Patients With End-Stage Renal Disease, 1354
- Polymorphism in the 5'-Franking Region of Human Glutamate-Cysteine Ligase Modifier Subunit Gene Is Associated With Myocardial Infarction, 2968.
- Predicting Death in Patients With Acute Type A Aortic Dissection, 200
- Proinsulin Is an Independent Predictor of Coronary Heart Disease: Report From a 27-Year Follow-Up Study, 2153
- Prospective Study of C-Reactive Protein, Homocysteine, and Plasma Lipid Levels as Predictors of Sudden Cardiac Death, 2595
- Risk and Predictors of Stroke After Myocardial Infarction Among the Elderly: Results From the Cooperative Cardiovascular Project, 1082
- Risk Stratification for Postoperative Cardiovascular Events via Noninvasive Assessment of Endothelial Function: A Prospective Study, 1567
- Serotonin Transporter Gene Polymorphism and Myocardial Infarction: Etude Cas-Témoins de l'Infarctus du Myocarde (ECTIM), 2943
- Simple Scoring Scheme for Calculating the Risk of Acute Coronary Events Based on the 10-Year Follow-Up of the Prospective Cardiovascular Münster (PROCAM) Study, 310
- Statin Therapy, Cardiovascular Events, and Total Mortality in the Heart and Estrogen/Progestin Replacement Study (HERS), 2962
- Traditional Risk Factors and the Incidence of Sudden Coronary Death With and Without Coronary Thrombosis in Blacks, 419
- Weight Loss Reduces C-Reactive Protein Levels in Obese Postmenopausal Women, 564

Rotational atherectomy

Rotational Atherectomy Does Not Reduce Recurrent In-Stent Restenosis: Results of the Angioplasty Versus Rotational Atherectomy for Treatment of Diffuse In-Stent Restenosis Trial (ARTIST), 583

5

Safety

- Efficacy and Temporal Stability of Reduced Safety Margins for Ventricular Defibrillation: Primary Results From the Low Energy Safety Study (LESS), 2043
- Safety and Tolerability of Pravastatin in Long-Term Clinical Trials: Prospective Pravastatin Pooling (PPP) Project, 2341

Sarcoplasmic reticulum

- Influence of Pyruvate on Contractile Performance and Ca²⁺ Cycling in Isolated Failing Human Myocardium, 194
- Progression of Heart Failure: Is Protein Kinase A Hyperphosphorylation of the Ryanodine Receptor a Contributing Factor?, 272
- Propranolol Prevents the Development of Heart Failure by Restoring FKBP12.6-Mediated Stabilization of Ryanodine Receptor, 1374
- Scintigraphy
 Early Resolution of ST-Segment Elevation Correlates With Myocardial Salvage Assessed by Tc-99m Sestamibi Scintigraphy in Patients With Acute Myocardial Infarction After Mechanical or Thrombolytic Reperfusion Therapy, 2946
- Value of Stress Myocardial Perfusion Single Photon Emission Computed Tomography in Patients With Normal Resting Electrocardiograms: An Evaluation of Incremental Prognostic Value and Cost-Effectiveness, 823

Serotonin transporter

Serotonin Transporter Gene Polymorphism and Myocardial Infarction: Etude Cas-Témoins de l'Infarctus du Myocarde (ECTIM), 2943

Se

- Metoprolol CR/XL in Female Patients With Heart Failure: Analysis of the Experience in Metoprolol Extended-Release Randomized Intervention Trial in Heart Failure (MERIT-HF), 1585
- Sex Differences in Hospital Mortality After Coronary Artery Bypass Surgery: Evidence for a Higher Mortality in Younger Women, 1176
- Sex Differences in the Association Between Proinsulin and Intact Insulin With Coronary Heart Disease in Nondiabetic Older Adults: The Rancho Bernardo Study, 1311
- Women, Heart Failure, and Heart Failure Therapies, 1526

Shunt

- Gas Exchange Detection of Exercise-Induced Right-to-Left Shunt in Patients With Primary Pulmonary Hypertension, 54
- Patent Foramen Ovale and Recurrent Stroke: Another Paradoxical Twist, 2580

Signal transduction

- Apoptosis Signal-Regulating Kinase/Nuclear Factor-κB: A Novel Signaling Pathway Regulates Cardiomyocyte Hypertrophy, 402
- Bone Marrow-Derived Regenerated Cardiomyocytes (CMG Cells) Express Functional Adrenergic and Muscarinic Receptors, 380
- Calcineurin in Human Heart Hypertrophy, 2265 Calmodulin Inhibitor W-7 Unmasks a Novel Electrocardiographic
- Parameter That Predicts Initiation of Torsade de Pointes, 770 Effect of Hypercholesterolemia on Expression and Function of Vascular Soluble Guanylyl Cyclase, 855
- Genetic Alterations That Inhibit In Vivo Pressure-Overload Hypertrophy Prevent Cardiac Dysfunction Despite Increased Wall Stress, 85
- HMG-CoA Reductase Inhibitors Suppress Intracellular Calcium Mobilization and Membrane Current Induced by Lysophosphatidylcholine in Endothelial Cells, 962
- Involvement of Nuclear Factor-κB and Apoptosis Signal-Regulating Kinase 1 in G-Protein-Coupled Receptor Agonist-Induced Cardiomyocyte Hypertrophy, 509
- NADPH Oxidase Mediates Tissue Factor-Dependent Surface Procoagulant Activity by Thrombin in Human Vascular Smooth Muscle Cells, 2030
- Nitric Oxide Mediates the Antiapoptotic Effect of Insulin in Myocardial Ischemia-Reperfusion: The Roles of PI3-Kinase, *Akt*, and Endothelial Nitric Oxide Synthase Phosphorylation, 1497

- Nongenomic Mechanisms of Endothelial Nitric Oxide Synthase Activation by the Selective Estrogen Receptor Modulator Raloxifene, 1368
- Statin Prevents Tissue Factor Expression in Human Endothelial Cells: Role of Rho/Rho-Kinase and Akt Pathways, 1756

Sinoatrial node

Atrio-Sinus Interaction Demonstrated by Blockade of the Rapid Delayed Rectifier Current, 880

Sleep

Elevated C-Reactive Protein in Patients With Obstructive Sleep Appea, 2462

Smoking

- Cigarette Smoke Exposure and Hypercholesterolemia Increase Mitochondrial Damage in Cardiovascular Tissues, 849
- Smoking a Single Cigarette Rapidly Reduces Combined Concentrations of Nitrate and Nitrite and Concentrations of Antioxidants in Plasma, 1155

Social environment

Social Environment Influences the Progression of Atherosclerosis in the Watanabe Heritable Hyperlipidemic Rabbit, 354

Sodium

- Endogenous Ligand of α_1 Sodium Pump, Marinobufagenin, Is a Novel Mediator of Sodium Chloride-Dependent Hypertension, 1122
- Intracellular Na* Concentration Is Elevated in Heart Failure But Na/K Pump Function Is Unchanged, 2543
- Na* Channel Mutation That Causes Both Brugada and Long-QT Syndrome Phenotypes: A Simulation Study of Mechanism. 1208
- Syndrome Prenotypes: A Simulation Study of Mechanism, 1200
 Sonodynamic therapy
 Sonodynamic Therapy Decreased Nacintimal Hyperplacia After Stent

Sonodynamic Therapy Decreased Neointimal Hyperplasia After Stenting in the Rabbit Iliac Artery, 149

Spectroscopy

- Detection of Lipid Pool, Thin Fibrous Cap, and Inflammatory Cells in Human Aortic Atherosclerotic Plaques by Near-Infrared Spectroscopy, 923
- Mitochondrial Preference for Short Chain Fatty Acid Oxidation During Coronary Artery Constriction, 367

Statins

- Early and Sustained Survival Benefit Associated With Statin Therapy at the Time of Percutaneous Coronary Intervention, 691
- Efficacy and Safety of Ezetimibe Coadministered With Atorvastatin or Simvastatin in Patients With Homozygous Familial Hypercholesterolemia, 2469
- HMG-CoA Reductase Inhibitors Suppress Intracellular Calcium Mobilization and Membrane Current Induced by Lysophosphatidylcholine in Endothelial Cells, 962
- Homocysteine Induces 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase in Vascular Endothelial Cells: A Mechanism for Development of Atherosclerosis?, 1037
- Inflammatory Biomarkers, Statins, and the Risk of Stroke: Cracking a Clinical Conundrum, 2583
- Safety and Tolerability of Pravastatin in Long-Term Clinical Trials: Prospective Pravastatin Pooling (PPP) Project, 2341
- Simvastatin Preserves the Structure of Coronary Adventitial Vasa Vasorum in Experimental Hypercholesterolemia Independent of Lipid Lowering, 415
- Statin Therapy Accelerates Reendothelialization: A Novel Effect Involving Mobilization and Incorporation of Bone Marrow-Derived Endothelial Progenitor Cells, 3017
- Statin Therapy: Beyond Cholesterol Lowering and Antiinflammatory Effects, 2937
- Statins: Powerful Drugs for Lowering Cholesterol: Advice for Patients, 1514
- Withdrawal of Statins Increases Event Rates in Patients With Acute Coronary Syndromes, 1446

Statistics

Defending the Rationale for the Two-Tailed Test in Clinical Research, 3062

Stem cells

Human Mesenchymal Stem Cells Differentiate to a Cardiomyocyte Phenotype in the Adult Murine Heart, 93

Stenosis

- Coronary Thermodilution to Assess Flow Reserve: Validation in Humans, 2482
- Detection of Noncritical Coronary Stenosis at Rest Without Recourse to Exercise or Pharmacological Stress, 218

- Detection of Vein Graft Disease Using High-Resolution Magnetic Resonance Angiography, 328
- Different Effects of Carvedilol, Metoprolol, and Propranolol on Left Ventricular Remodeling After Coronary Stenosis or After Permanent Coronary Occlusion in Rats, 975
- Dosimetric Measurements in Isolated Human Coronary Arteries: Comparison of Commercially Available Iridium¹⁹² With Strontium/Yttrium⁹⁰ Emitters, 2493
- Evaluation and Management of Patients With Aortic Stenosis, 1746 Exercise-Induced Coronary Artery Vasodilation Is Not Impaired by Stent Placement, 2373
- Fragment Reconstruction of Coronary Arteries by Transesophageal Echocardiography: A Method for Visualizing Coronary Arteries With Ultrasound, 1579
- Perfusion Versus Function: The Ischemic Cascade in Demand Ischemia: Implications of Single-Vessel Versus Multivessel Stenosis, 987
- Randomized Trial of a Distal Embolic Protection Device During Percutaneous Intervention of Saphenous Vein Aorto-Coronary Bypass Grafts, 1285

Stents

- Angiographical Follow-Up After Radioactive "Cold Ends" Stent Implantation: A Multicenter Trial, 550
- Artifact-Free In-Stent Lumen Visualization by Standard Magnetic Resonance Angiography Using a New Metallic Magnetic Resonance Imaging Stent, 1772
- Bypass Surgery Versus Stenting for the Treatment of Multivessel Disease in Patients With Unstable Angina Compared With Stable Angina, 2367
- Coronary Pressure Measurement After Stenting Predicts Adverse Events at Follow-Up: A Multicenter Registry, 2950
- Dosimetric Measurements in Isolated Human Coronary Arteries: Comparison of Commercially Available Iridium¹⁹² With Strontium/Yttrium⁹⁰ Emitters, 2493
- Early and Sustained Survival Benefit Associated With Statin Therapy at the Time of Percutaneous Coronary Intervention, 691
- Early Resolution of ST-Segment Elevation Correlates With Myocardial Salvage Assessed by Tc-99m Sestamibi Scintigraphy in Patients With Acute Myocardial Infarction After Mechanical or Thrombolytic Reperfusion Therapy, 2946
- Endovascular Aneurysm Repair: Magnetic Resonance Monitoring of Histological Organization Processes in the Excluded Aneurysm, 1995
- Exercise-Induced Coronary Artery Vasodilation Is Not Impaired by Stent Placement, 2373
- First Clinical Experience With a Paclitaxel Derivate-Eluting Polymer Stent System Implantation for In-Stent Restenosis: Immediate and Long-Term Clinical and Angiographic Outcome, 1883
- Five-Year Clinical Follow-Up After Intracoronary Radiation: Results of a Randomized Clinical Trial, 2737
- Fragment Reconstruction of Coronary Arteries by Transesophageal Echocardiography: A Method for Visualizing Coronary Arteries With Ultrasound, 1579
- High-Dose Intravascular β -Radiation After De Novo Stent Implantation Induces Coronary Artery Spasm, 1420
- Impact of Clinical Syndrome Acuity on the Differential Response to 2 Glycoprotein IIb/IIIa Inhibitors in Patients Undergoing Coronary Stenting: The TARGET Trial, 2347
- Impact of Different Platelet Glycoprotein IIb/IIIa Receptor Inhibitors
 Among Diabetic Patients Undergoing Percutaneous Coronary
 Intervention: Do Tirofiban and ReoPro Give Similar Efficacy
 Outcomes Trial (TARGET) 1-Year Follow-Up, 2730
- Incidence and Prognostic Importance of Acute Renal Failure After Percutaneous Coronary Intervention, 2259
- Intracoronary Brachytherapy: Past, Present, and Future, 2699
- Late Vascular Response to Repeat Stenting for In-Stent Restenosis With and Without Radiation: An Intravascular Ultrasound Volumetric Analysis. 2465
- Long-Term Clinical and Angiographic Follow-Up After Coronary Stent Placement in Native Coronary Arteries, 2986
- Magnetic Resonance-Guided Coronary Artery Stent Placement in a Swine Model, 874
- Morphological Predictors of Restenosis After Coronary Stenting in Humans, 2974

- Randomized Trial of a Distal Embolic Protection Device During Percutaneous Intervention of Saphenous Vein Aorto-Coronary Bypass Grafts, 1285
- Rotational Atherectomy Does Not Reduce Recurrent In-Stent Restenosis: Results of the Angioplasty Versus Rotational Atherectomy for Treatment of Diffuse In-Stent Restenosis Trial (ARTIST), 583
- Sonodynamic Therapy Decreased Neointimal Hyperplasia After Stenting in the Rabbit Iliac Artery, 149
- Stenting of the Arterial Duct and Banding of the Pulmonary Arteries:

 Basis for Combined Norwood Stage I and II Repair in Hypoplastic Left Heart, 1099
- Systemic Inflammation Induced by Lipopolysaccharide Increases Neointimal Formation After Balloon and Stent Injury in Rabbits, 2917
- What Is "The Matter" With Restenosis in 2002?, 2932

Strain

Doppler-Derived Myocardial Systolic Strain Rate Is a Strong Index of Left Ventricular Contractility, 99

Stress

- Adrenomedullin, an Endogenous Peptide, Counteracts Cardiovascular Damage, 106
- Beneficial Effects of Long-Term Use of the Antioxidant Probucol in Heart Failure in the Rat, 2549
- Mental Stress-Induced Ischemia and All-Cause Mortality in Patients With Coronary Artery Disease: Results From the Psychophysiological Investigations of Myocardial Ischemia Study, 1780
- Protection of Human Endothelial Cells From Oxidative Stress: Role of Ras-ERK1/2 Signaling, 968.
- Smoking a Single Cigarette Rapidly Reduces Combined Concentrations of Nitrate and Nitrite and Concentrations of Antioxidants in Plasma, 1155
- Still Stressed Out but Doing Fine: Normalization of Wall Stress Is Superfluous to Maintaining Cardiac Function in Chronic Pressure Overload, 8

Stroke

- Aspirin-Resistant Thromboxane Biosynthesis and the Risk of Myocardial Infarction, Stroke, or Cardiovascular Death in Patients at High Risk for Cardiovascular Events. 1650
- Carotid Plaques Increase the Risk of Stroke and Subtypes of Cerebral Infarction in Asymptomatic Elderly: The Rotterdam Study, 2872
- Cyclooxygenase-1 and Bicistronic Cyclooxygenase-1/Prostacyclin Synthase Gene Transfer Protect Against Ischemic Cerebral Infarction, 1962
- Effect of Medical Treatment in Stroke Patients With Patent Foramen Ovale: Patent Foramen Ovale in Cryptogenic Stroke Study, 2625
- Effects of Cholesterol and Inflammation-Sensitive Plasma Proteins on Incidence of Myocardial Infarction and Stroke in Men, 2632
- Identification of Fibrous Cap Rupture With Magnetic Resonance Imaging Is Highly Associated With Recent Transient Ischemic Attack or Stroke, 181
- Inflammatory Biomarkers, Statins, and the Risk of Stroke: Cracking a Clinical Conundrum, 2583
- Markers of Increased Risk of Intracerebral Hemorrhage After Intravenous Recombinant Tissue Plasminogen Activator Therapy for Acute Ischemic Stroke in Clinical Practice: The Multicenter rt-PA Acute Stroke Survey, 1679
- Patent Foramen Ovale and Recurrent Stroke: Another Paradoxical Twist, 2580
- Percutaneous Left Atrial Appendage Occlusion (PLAATO) for Preventing Cardioembolism: First Experience in Canine Model, 2217
- Percutaneous Left Atrial Appendage Transcatheter Occlusion to Prevent Stroke in High-Risk Patients With Atrial Fibrillation: Early Clinical Experience, 1887
- Risk and Predictors of Stroke After Myocardial Infarction Among the Elderly: Results From the Cooperative Cardiovascular Project, 1082
- Transcatheter Closure of Interatrial Communications for Secondary Prevention of Paradoxical Embolism: Single-Center Experience, 2845

Stunning, myocardial

Postischemic Recovery of Contractile Function is Impaired in SOD2*/- but Not SOD1*/- Mouse Hearts, 981

Superoxide

- Antioxidative Properties of Acetylsalicylic Acid on Vascular Tissues From Normotensive and Spontaneously Hypertensive Rats, 387
- Mechanisms of Increased Vascular Superoxide Production in Human Diabetes Mellitus: Role of NAD(P)H Oxidase and Endothelial Nitric Oxide Synthase, 1656
- Mineralocorticoid Receptor Antagonism Improves Endothelial Function in Experimental Atherosclerosis, 2212

Surger

- Acute Pulmonary Embolectomy: A Contemporary Approach, 1416
- Bypass Surgery Versus Stenting for the Treatment of Multivessel Disease in Patients With Unstable Angina Compared With Stable Angina, 2367
- Endothelial Healing in Vein Grafts: Proliferative Burst Unimpaired by Genetic Therapy of Neointimal Disease, 1686
- Left Ventricular Volume Reduction by Radiofrequency Heating of Chronic Myocardial Infarction in Patients With Congestive Heart Failure, 1317
- Predicting Death in Patients With Acute Type A Aortic Dissection, 200
- Primary Aortic Valve Replacement With Cryopreserved Aortic Allograft: An Echocardiographic Follow-Up Study of 570 Patients, 61
- Risk Stratification for Postoperative Cardiovascular Events via Noninvasive Assessment of Endothelial Function: A Prospective Study, 1567

Survival

- Cellular Cardiomyoplasty Improves Survival After Myocardial Injury, 2435
- Collaborative Care for Adults With Congenital Heart Disease, 2318 Increased Myocardial Gene Expression of Tumor Necrosis Factor-α and Nitric Oxide Synthase-2: A Potential Mechanism for Depressed Myocardial Function in Hibernating Myocardium in Humans, 1537
- Long-Term Survival of Dialysis Patients in the United States With Prosthetic Heart Valves: Should ACC/AHA Practice Guidelines on Valve Selection Be Modified?, 1336
- Metoprolol CR/XL in Female Patients With Heart Failure: Analysis of the Experience in Metoprolol Extended-Release Randomized Intervention Trial in Heart Failure (MERIT-HF), 1585
- Survival After Coronary Revascularization in the Elderly, 2378
- Use of an Inspiratory Impedance Valve Improves Neurologically Intact Survival in a Porcine Model of Ventricular Fibrillation, 124

Syncope

- Long-Term Follow-Up of Individuals With the Electrocardiographic Pattern of Right Bundle-Branch Block and ST-Segment Elevation in Precordial Leads V₁ to V₃, 73
- Mechanism of Syncope in Patients With Heart Disease and Negative Electrophysiologic Test, 2741
- Selective Norepinephrine Reuptake Inhibition as a Human Model of Orthostatic Intolerance, 347
- Shortened Head-Up Tilting Test Guided by Systolic Pressure Reductions in Neurocardiogenic Syncope, 146

Systol

- New Concepts in Diastolic Dysfunction and Diastolic Heart Failure: Part I: Diagnosis, Prognosis, and Measurements of Diastolic Function, 1387
- New Concepts in Diastolic Dysfunction and Diastolic Heart Failure: Part II: Causal Mechanisms and Treatment, 1503
- Progression of Systolic Abnormalities in Patients With "Isolated" Diastolic Heart Failure and Diastolic Dysfunction, 1195
- Quantification of Left Ventricular Systolic Function by Tissue Doppler Echocardiography: Added Value of Measuring Pre- and Postejection Velocities in Ischemic Myocardium, 2071

T

Tachyarrhythmias

- Cost-Effectiveness of the Implantable Cardioverter-Defibrillator Versus Antiarrhythmic Drugs in Survivors of Serious Ventricular Tachyarrhythmias: Results of the Antiarrhythmics Versus Implantable Defibrillators (AVID) Economic Analysis Substudy, 2049
- Early Afterdepolarizations, U Waves, and Torsades de Pointes, 675 Effects of Selective Autonomic Blockade on T-Wave Alternans in Humans, 837

- Efficacy and Temporal Stability of Reduced Safety Margins for Ventricular Defibrillation: Primary Results From the Low Energy Safety Study (LESS), 2043
- New Bayesian Discriminator for Detection of Atrial Tachyarrhythmias, 1472
- Quality of Life in the Antiarrhythmics Versus Implantable Defibrillators Trial: Impact of Therapy and Influence of Adverse Symptoms and Defibrillator Shocks, 589

Tachycardia

- Characteristics of Wavefront Propagation in Reentrant Circuits Causing Human Ventricular Tachycardia, 2172
- Characterization of Reentrant Circuits in Left Atrial Macroreentrant Tachycardia: Critical Isthmus Block Can Prevent Atrial Tachycardia Recurrence, 1934
- Electroanatomic Substrate of Idiopathic Left Ventricular Tachycardia: Unidirectional Block and Macroreentry Within the Purkinje Network, 462
- Four Faces of Baroreflex Failure: Hypertensive Crisis, Volatile Hypertension, Orthostatic Tachycardia, and Malignant Vagotonia,
- Isthmus Characteristics of Reentrant Ventricular Tachycardia After Myocardial Infarction, 726
- Polymorphic Reentrant Ventricular Tachycardia in the Isolated Rabbit Heart Studied by High-Density Mapping, 3053
- Primary Prevention of Sudden Cardiac Death in Idiopathic Dilated Cardiomyopathy: The Cardiomyopathy Trial (CAT), 1453

Tests

- B-Type Natriuretic Peptide Levels: Diagnostic and Prognostic in Congestive Heart Failure: What's Next?, 2328
- Cost-Effectiveness of a Conservative, Ischemia-Guided Management Strategy After Non-Q-Wave Myocardial Infarction: Results of a Randomized Trial, 680
- Defending the Rationale for the Two-Tailed Test in Clinical Research,

Thrombin

- Direct Thrombin Inhibitors in Acute Coronary Syndromes: Present and Future, 1004
- Effect of Abciximab on Prothrombin Activation and Thrombin Generation in Acute Coronary Syndromes Without ST-Segment Elevation: Global Utilization of Strategies to Open Occluded Coronary Arteries Trial IV in Acute Coronary Syndromes (GUS-TO IV ACS) Italian Hematologic Substudy, 928
- First Experience With Direct Factor Xa Inhibition in Patients With Stable Coronary Disease: A Pharmacokinetic and Pharmacodynamic Evaluation, 2385

Thrombolysis

- Acute Pulmonary Embolectomy: A Contemporary Approach, 1416
- Determination of Successful Reperfusion After Thrombolysis for Acute Myocardial Infarction: A Noninvasive Method Using Ultrasonic Tissue Characterization That Can Be Applied Clinically, 157
- Early Resolution of ST-Segment Elevation Correlates With Myocardial Salvage Assessed by Tc-99m Sestamibi Scintigraphy in Patients With Acute Myocardial Infarction After Mechanical or Thrombolytic Reperfusion Therapy, 2946
- Proteolysis of Tissue Factor Pathway Inhibitor-1 by Thrombolysis in Acute Myocardial Infarction, 279
- Reduced Tissue Factor Pathway Inhibitor-1 After Pharmacological Thrombolysis: An Epiphenomenon or Potential Culprit in Rethrombosis?, 270
- Relationship of the TIMI Myocardial Perfusion Grades, Flow Grades, Frame Count, and Percutaneous Coronary Intervention to Long-Term Outcomes After Thrombolytic Administration in Acute Myocardial Infarction, 1909
- TIMI Myocardial Perfusion Grade and ST Segment Resolution: Association With Infarct Size as Assessed by Single Photon Emission Computed Tomography Imaging, 282

- Acute Pulmonary Embolectomy: A Contemporary Approach, 1416 Cardiopulmonary Bypass Induces Release of Soluble CD40 Ligand, 2849
- Clinical and Echocardiographic Characteristics of Patients With Left Atrial Thrombus and Sinus Rhythm: Experience in 20 643 Consecutive Transesophageal Echocardiographic Examinations,

- Comparative Antithrombotic Effects of Magnesium Sulfate and the Platelet Glycoprotein IIb/IIIa Inhibitors Tirofiban and Eptifibatide in a Canine Model of Stent Thrombosis, 1970
- Elevated C-Reactive Protein Values and Atherosclerosis in Sudden Coronary Death: Association With Different Pathologies, 2019
- First Experience With Direct Factor Xa Inhibition in Patients With Stable Coronary Disease: A Pharmacokinetic and Pharmacodynamic Evaluation, 2385
- Functional Significance of Adenosine 5'-Diphosphate Receptor (P2Y₁₂) in Platelet Activation Initiated by Binding of von Willebrand Factor to Platelet GP Iba Induced by Conditions of High Shear Rate, 2531
- Inhibition of Tissue Factor Gene Induction and Activity Using a Hairpin Ribozyme, 2282
- Lethal Perinatal Thrombosis in Mice Resulting From the Interaction of Tissue Factor Pathway Inhibitor Deficiency and Factor V Leiden, 2139
- Morphological Predictors of Arterial Remodeling in Coronary Atherosclerosis, 297
- NADPH Oxidase Mediates Tissue Factor-Dependent Surface Procoagulant Activity by Thrombin in Human Vascular Smooth Muscle Cells, 2030
- Percutaneous Left Atrial Appendage Occlusion (PLAATO) for Preventing Cardioembolism: First Experience in Canine Model,
- Platelet-Monocyte Aggregates: Bridging Thrombosis and Inflammation, 2130
- Statin Prevents Tissue Factor Expression in Human Endothelial Cells: Role of Rho/Rho-Kinase and Akt Pathways, 1756
- Traditional Risk Factors and the Incidence of Sudden Coronary Death With and Without Coronary Thrombosis in Blacks, 419

Thromboxane

- Aspirin-Resistant Thromboxane Biosynthesis and the Risk of Myocardial Infarction, Stroke, or Cardiovascular Death in Patients at High Risk for Cardiovascular Events, 1650
- Why Are Some Individuals Resistant to the Cardioprotective Effects of Aspirin? Could It Be Thromboxane A2?, 1620

- Acute Pulmonary Embolectomy: A Contemporary Approach, 1416 Left Ventricular Thrombus Enhancement After Intravenous Injection
- of Echogenic Immunoliposomes: Studies in a New Experimental Model, 2772
- Percutaneous Left Atrial Appendage Transcatheter Occlusion to Prevent Stroke in High-Risk Patients With Atrial Fibrillation: Early Clinical Experience, 1887

Thyroid

Successful Treatment of Amiodarone-Induced Thyrotoxicosis, 1275

- Detection of Lipid Pool, Thin Fibrous Cap, and Inflammatory Cells in Human Aortic Atherosclerotic Plaques by Near-Infrared Spectroscopy, 923
- In Vivo Quantitative Tissue Characterization of Human Coronary Arterial Plaques by Use of Integrated Backscatter Intravascular Ultrasound and Comparison With Angioscopic Findings, 2487
- Strain Rate Imaging for Assessment of Regional Myocardial Function: Results From a Clinical Model of Septal Ablation, 1403

Tissue factor pathway inhibitor

Reduced Tissue Factor Pathway Inhibitor-1 After Pharmacological Thrombolysis: An Epiphenomenon or Potential Culprit in Rethrombosis?, 270

Toll-like receptors

Inflammatory Response After Open Heart Surgery: Release of Heat-Shock Protein 70 and Signaling Through Toll-Like Receptor-4,

Tomography

- Assessment of Coronary Function in Children With a History of Kawasaki Disease Using 15O-Water Positron Emission Tomogra-
- Cardiac Autonomic Dysfunction in Brugada Syndrome, 702
- Continuous Probabilistic Prediction of Angiographically Significant Coronary Artery Disease Using Electron Beam Tomography, 1791
- Noninvasive Assessment of Coronary Microcirculatory Function in Postmenopausal Women and Effects of Short-Term and Long-Term Estrogen Administration, 425

- Standardized Myocardial Segmentation and Nomenclature for Tomographic Imaging of the Heart: A Statement for Healthcare Professionals From the Cardiac Imaging Committee of the Council on Clinical Cardiology of the American Heart Association, 539
- Use of a Blood Substitute to Determine Instantaneous Murine Right Ventricular Thickening With Optical Coherence Tomography, 1843
- Torsade de pointes
- Calmodulin Inhibitor W-7 Unmasks a Novel Electrocardiographic Parameter That Predicts Initiation of Torsade de Pointes, 770
- Early Afterdepolarizations, U Waves, and Torsades de Pointes, 675
 Electrophysiological Mechanism of Enhanced Susceptibility of Hypertrophied Heart to Acquired Torsade de Pointes Arrhythmias:
 Tridimensional Mapping of Activation and Recovery Patterns,
 1128
- Polymorphic Reentrant Ventricular Tachycardia in the Isolated Rabbit Heart Studied by High-Density Mapping, 3053
- Unique Topographical Distribution of M Cells Underlies Reentrant Mechanism of Torsade de Pointes in the Long-QT Syndrome, 1247
- Training
- Clinical Research Skills Development: A New Approach, 1751
- Transgenic mice
- Genetic Modifier Loci Affecting Survival and Cardiac Function in Murine Dilated Cardiomyopathy, 1824
- Translocation
- Passage of Inhaled Particles Into the Blood Circulation in Humans, 411
- Transplantation
- Cellular Cardiomyoplasty Improves Survival After Myocardial Injury, 2435
- Cyclooxygenase-2 Promotes Early Atherosclerotic Lesion Formation in LDL Receptor-Deficient Mice, 1816
- Human Leukocyte Antigen-G Expression After Heart Transplantation Is Associated With a Reduced Incidence of Rejection, 1949
- Initial Clinical Experience With the Jarvik 2000 Implantable Axial-Flow Left Ventricular Assist System, 2855
- Intravenous Pulse Administration of Cyclophosphamide Is an Effective and Safe Treatment for Sensitized Cardiac Allograft Recipients, 1214
- Myocardial Ischemic Injury After Heart Transplantation Is Associated With Upregulation of Vitronectin Receptor (α, β_3) , Activation of the Matrix Metalloproteinase Induction System, and Subsequent Development of Coronary Vasculopathy, 1955
- Myocardial Regeneration Therapy for Heart Failure: Hepatocyte Growth Factor Enhances the Effect of Cellular Cardiomyoplasty, 2556
- Patterns of Myocardial Endothelin-1 Expression and Outcome After Cardiac Transplantation, 1768
- Rebuilding a Damaged Heart: Long-Term Survival of Transplanted Neonatal Rat Cardiomyocytes After Myocardial Infarction and Effect on Cardiac Function, 1720
- Suppression of Murine Cardiac Allograft Arteriopathy by Long-Term Blockade of CD40-CD154 Interactions, 1609
- Vascular Endothelial Growth Factor Enhances Cardiac Allograft Arteriosclerosis, 2524
- Transposition of great vessels
- Heart Failure and Ventricular Dysfunction in Patients With Single or Systemic Right Ventricles, 1189
- Trials
 - Defending the Rationale for the Two-Tailed Test in Clinical Research, 3062
 - Department of Veterans Affairs Cooperative Studies Program Clinical Trial Comparing Combined Warfarin and Aspirin With Aspirin Alone in Survivors of Acute Myocardial Infarction: Primary Results of the CHAMP Study, 557
 - Early Protection Against Sudden Death by n-3 Polyunsaturated Fatty Acids After Myocardial Infarction: Time-Course Analysis of the Results of the Gruppo Italiano per lo Studio della Sopravvivenza nell'Infarto Miocardico (GISSI)-Prevenzione, 1897
 - Fosinopril Versus Amlodipine Comparative Treatments Study: A Randomized Trial to Assess Effects on Plasminogen Activator Inhibitor-1, 457

- Impact of Diabetes on the Risk Stratification Using Stress Single-Photon Emission Computed Tomography Myocardial Perfusion Imaging in Patients With Symptoms Suggestive of Coronary Artery Disease, 32
- Is the Oxidative Modification Hypothesis Relevant to Human Atherosclerosis?: Do the Antioxidant Trials Conducted to Date Refute the Hypothesis?, 2107
- Looking for the Pony in the HERS Data, 902
- Myocardial Infarct: No One Size Fits All, 2577
- New Therapeutic Options in Congestive Heart Failure: Part II, 2223 Pharmacological Treatment of Coronary Artery Disease With Recombinant Fibroblast Growth Factor-2: Double-Blind, Randomized, Controlled Clinical Trial, 788
- Relationship of the TIMI Myocardial Perfusion Grades, Flow Grades, Frame Count, and Percutaneous Coronary Intervention to Long-Term Outcomes After Thrombolytic Administration in Acute Myocardial Infarction, 1909
- Strengthening Commitment to Clinical Research: The National Heart, Lung, and Blood Institute's Specialized Centers of Research Program, 400
- Subgroup Interactions in the Heart and Estrogen/Progestin Replacement Study: Lessons Learned, 917
- Women, Heart Failure, and Heart Failure Therapies, 1526
- Troponia
 - Ultrasonographic and Biochemical Markers of Human Fetal Cardiac Dysfunction in Placental Insufficiency, 2058

U

- Ultrasonics
 - Determination of Successful Reperfusion After Thrombolysis for Acute Myocardial Infarction: A Noninvasive Method Using Ultrasonic Tissue Characterization That Can Be Applied Clinically, 157
 - In Vivo Quantitative Tissue Characterization of Human Coronary Arterial Plaques by Use of Integrated Backscatter Intravascular Ultrasound and Comparison With Angioscopic Findings, 2487
 - Incidence, Morphology, Angiographic Findings, and Outcomes of Intramural Hematomas After Percutaneous Coronary Interventions: An Intravascular Ultrasound Study, 2037
 - Increased Prevalence of Carotid Atherosclerosis in Hepatitis B Virus Carriers, 1028
 - Local Delivery of Plasmid DNA Into Rat Carotid Artery Using Ultrasound, 1233
 - Myocardial Ischemic Injury After Heart Transplantation Is Associated With Upregulation of Vitronectin Receptor (α , β ₃), Activation of the Matrix Metalloproteinase Induction System, and Subsequent Development of Coronary Vasculopathy, 1955
 - Rotational Atherectomy Does Not Reduce Recurrent In-Stent Restenosis: Results of the Angioplasty Versus Rotational Atherectomy for Treatment of Diffuse In-Stent Restenosis Trial (ARTIST), 583
 - Sonodynamic Therapy Decreased Neointimal Hyperplasia After Stenting in the Rabbit Iliac Artery, 149
 - Switching off Embolization From Symptomatic Carotid Plaque Using S-Nitrosoglutathione, 1480

V

- Valves
 - Atorvastatin Inhibits Hypercholesterolemia-Induced Cellular Proliferation and Bone Matrix Production in the Rabbit Aortic Valve, 2660
 - Evaluation and Management of Patients With Aortic Stenosis, 1746 Long-Term Survival of Dialysis Patients in the United States With Prosthetic Heart Valves: Should ACC/AHA Practice Guidelines on Valve Selection Be Modified?, 1336
 - Mechanisms of Coronary Microcirculatory Dysfunction in Patients With Aortic Stenosis and Angiographically Normal Coronary Arteries, 470
 - Myocardial Fibrosis in Chronic Aortic Regurgitation: Molecular and Cellular Responses to Volume Overload, 1837
- Steps Toward Percutaneous Aortic Valve Replacement, 775
- Use of an Inspiratory Impedance Valve Improves Neurologically Intact Survival in a Porcine Model of Ventricular Fibrillation, 124

Valvuloplasty

Which Patients Benefit From Percutaneous Mitral Balloon Valvuloplasty? Prevalvuloplasty and Postvalvuloplasty Variables That Predict Long-Term Outcome, 1465

Vascular capacitance

Pooling in Chronic Orthostatic Intolerance: Arterial Vasoconstrictive but not Venous Compliance Defects, 2274

Vasculature

Advanced Glycation End Products Activate Endothelium Through Signal-Transduction Receptor RAGE: A Mechanism for Amplification of Inflammatory Responses, 816

Barium Reduces Resting Blood Flow and Inhibits Potassium-Induced Vasodilation in the Human Forearm, 1323

Inhalation of Fine Particulate Air Pollution and Ozone Causes Acute Arterial Vasoconstriction in Healthy Adults, 1534

The AT₁-Type Angiotensin Receptor in Oxidative Stress and Atherogenesis: Part II: AT₁ Receptor Regulation, 530

Vasculopathy

Patterns of Myocardial Endothelin-1 Expression and Outcome After Cardiac Transplantation, 1768

Vasoconstriction

Enhanced Contractile Mechanisms in Vasospasm: Is Endothelial Dysfunction the Whole Story?, 1520

Exercise-Induced Coronary Artery Vasodilation Is Not Impaired by Stent Placement, 2373

High-Dose Intravascular β-Radiation After De Novo Stent Implantation Induces Coronary Artery Spasm, 1420

Pooling in Chronic Orthostatic Intolerance: Arterial Vasoconstrictive but not Venous Compliance Defects, 2274

Vasodilation

Barium Reduces Resting Blood Flow and Inhibits Potassium-Induced Vasodilation in the Human Forearm, 1323

Exercise-Induced Coronary Artery Vasodilation Is Not Impaired by Stent Placement, 2373

Improved Endothelium-Dependent Vasodilation After Blockade of Endothelin Receptors in Patients With Essential Hypertension, 452

Vasospasm

Enhanced Activity of Variant Phospholipase C-δ1 Protein (R257H) Detected in Patients With Coronary Artery Spasm, 2024

Enhanced Contractile Mechanisms in Vasospasm: Is Endothelial Dysfunction the Whole Story?, 1520

Veins

Electrical Conduction in Canine Pulmonary Veins: Electrophysiological and Anatomic Correlation, 2442

Electrical Connections Between Pulmonary Veins: Implication for Ostial Ablation of Pulmonary Veins in Patients With Paroxysmal Atrial Fibrillation, 2998

Electrophysiology and Arrhythmogenic Activity of Single Cardiomyocytes From Canine Superior Vena Cava, 2679

Endothelial Healing in Vein Grafts: Proliferative Burst Unimpaired by Genetic Therapy of Neointimal Disease, 1686

Pooling in Chronic Orthostatic Intolerance: Arterial Vasoconstrictive but not Venous Compliance Defects, 2274

Ventilation

Importance of Continuous Chest Compressions During Cardiopulmonary Resuscitation: Improved Outcome During a Simulated Single Lay-Rescuer Scenario, 645

Ventricles

Beneficial Effects of Long-Term Use of the Antioxidant Probucol in Heart Failure in the Rat, 2549

Change in Diastolic Left Ventricular Filling After One Year of Antihypertensive Treatment: The Losartan Intervention For Endpoint Reduction in Hypertension (LIFE) Study, 1071

Characteristics of Wavefront Propagation in Reentrant Circuits Causing Human Ventricular Tachycardia, 2172

Effects of Long-Term Biventricular Stimulation for Resynchronization on Echocardiographic Measures of Remodeling, 1304

Effects of Matrix Metalloproteinase Inhibition on Ventricular Remodeling Due to Volume Overload, 1983

Evolution of the Study of Left Ventricular Function: Everything Old Is New Again, 2701

Initial Clinical Experience With the Jarvik 2000 Implantable Axial-Flow Left Ventricular Assist System, 2855

Myocardial Hibernation: Restorative or Preterminal Sleep?, 1517

Natural History of Brugada Syndrome: Insights for Risk Stratification and Management, 1342

Progression of Systolic Abnormalities in Patients With "Isolated" Diastolic Heart Failure and Diastolic Dysfunction, 1195

Rebuilding a Damaged Heart: Long-Term Survival of Transplanted Neonatal Rat Cardiomyocytes After Myocardial Infarction and Effect on Cardiac Function, 1720

Remodeling of Left Ventricular Hypertrophy in Elite Athletes After Long-Term Deconditioning, 944

Selective Matrix Metalloproteinase Inhibition Reduces Left Ventricular Remodeling but Does Not Inhibit Angiogenesis After Myocardial Infarction, 753

Validation of Myocardial Acceleration During Isovolumic Contraction as a Novel Noninvasive Index of Right Ventricular Contractility: Comparison With Ventricular Pressure-Volume Relations in an Animal Model, 1693

Vessels

Local Delivery of Plasmid DNA Into Rat Carotid Artery Using Ultrasound, 1233

Perfusion Versus Function: The Ischemic Cascade in Demand Ischemia: Implications of Single-Vessel Versus Multivessel Stenosis, 987

Vessel Imaging by Interferometric Phase-Contrast X-Ray Technique, 1708

Viruses

Accelerated Reendothelialization With Suppressed Thrombogenic Property and Neointimal Hyperplasia of Rabbit Jugular Vein Grafts by Adenovirus-Mediated Gene Transfer of C-Type Natriuretic Peptide, 1623

Gene Therapy Strategy for Long-Term Myocardial Protection Using Adeno-Associated Virus-Mediated Delivery of Heme Oxygenase

Gene. 602

Na,K-ATPase Overexpression Improves Alveolar Fluid Clearance in a Rat Model of Elevated Left Atrial Pressure, 497

Optical Imaging of Cardiac Reporter Gene Expression in Living Rats, 1631

Vitamin C

Vitamin C, Collagen, and Cracks in the Plaque, 1396

Vulnerable Atherosclerotic Plaque Morphology in Apolipoprotein E-Deficient Mice Unable to Make Ascorbic Acid, 1485

itamin E

Cardiovascular Aging Is Associated With Vitamin E Increase, 1635 von Willebrand factor

Effect of Azithromycin Treatment on Endothelial Function in Patients With Coronary Artery Disease and Evidence of *Chlamydia* pneumoniae Infection, 1298

Functional Significance of Adenosine 5'-Diphosphate Receptor (P2Y₁₂) in Platelet Activation Initiated by Binding of von Willebrand Factor to Platelet GP Ibα Induced by Conditions of High Shear Rate, 2531

W

Waves

Analysis of T-Wave Morphology From the 12-Lead Electrocardiogram for Prediction of Long-Term Prognosis in Male US Veterans, 1066

Characteristics of Wavefront Propagation in Reentrant Circuits Causing Human Ventricular Tachycardia, 2172

Weight loss

Reduction of Inflammatory Cytokine Concentrations and Improvement of Endothelial Functions in Obese Women After Weight Loss Over One Year, 804

Wine

Meta-Analysis of Wine and Beer Consumption in Relation to Vascular Risk, 2836

Women

Common Estrogen Receptor Polymorphism Augments Effects of Hormone Replacement Therapy on E-Selectin but Not C-Reactive Protein, 1879

Effect of Medroxyprogesterone Acetate on Vascular Inflammatory Markers in Postmenopausal Women Receiving Estrogen, 1436

Mild Renal Insufficiency is Associated With Angiographic Coronary Artery Disease in Women, 2826

- Statin Attenuates Increase in C-Reactive Protein During Estrogen Replacement Therapy in Postmenopausal Women, 1531
- Statin Therapy, Cardiovascular Events, and Total Mortality in the Heart and Estrogen/Progestin Replacement Study (HERS), 2962
- Subgroup Interactions in the Heart and Estrogen/Progestin Replacement Study: Lessons Learned, 917
- Weight Loss Reduces C-Reactive Protein Levels in Obese Postmenopausal Women, 564
- Women, Heart Failure, and Heart Failure Therapies, 1526

X

Xamoterol

Bucindolol Displays Intrinsic Sympathomimetic Activity in Human Myocardium, 2429

V

Youth

Obesity Accelerates the Progression of Coronary Atherosclerosis in Young Men, 2712

